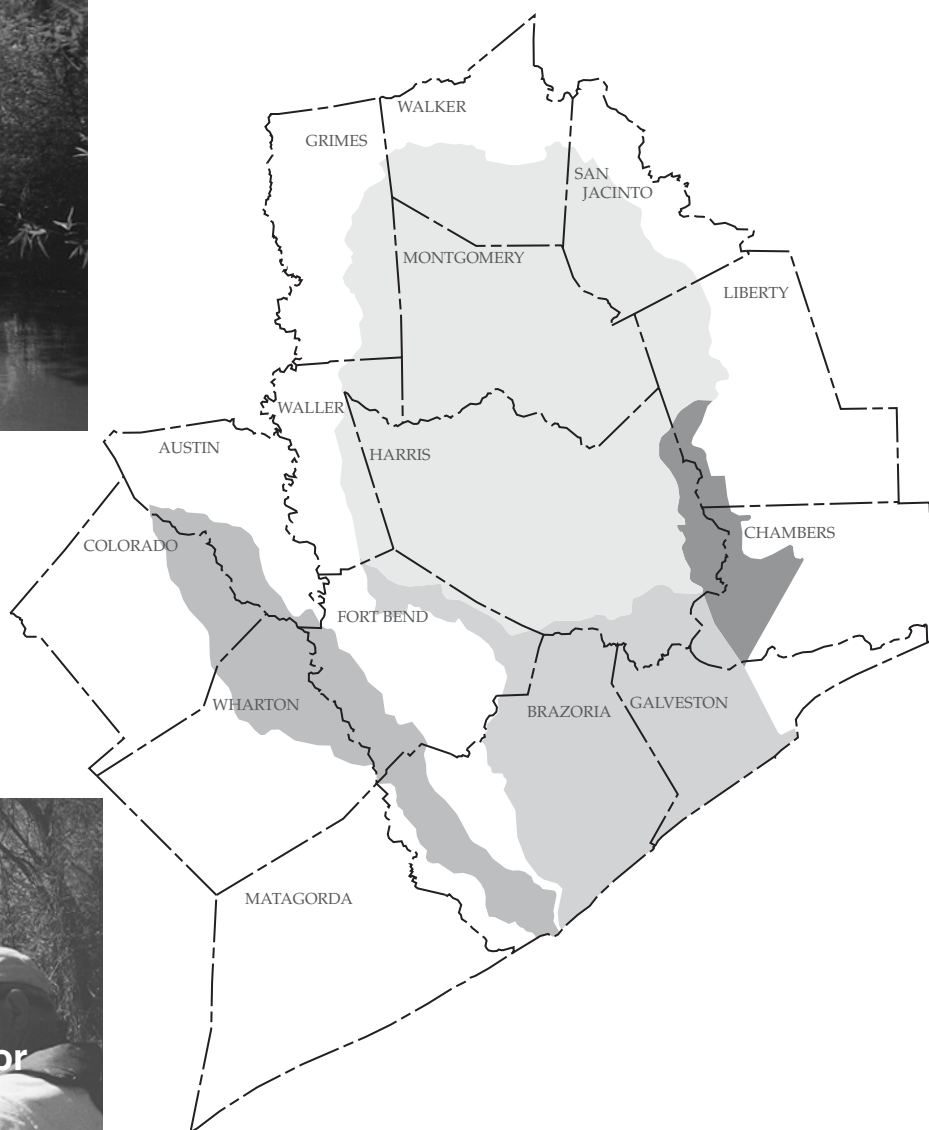


In cooperation with the Houston-Galveston Area Council
and the Texas Natural Resource Conservation Commission
under the authorization of the Texas Clean Rivers Act

Fish, Benthic Macroinvertebrate, and Stream Habitat Data From the Houston-Galveston Area Council Service Area, Texas, 1997–98



Cover photographs:

Upper photograph (by J.B. Moring)—Buffalo Bayou, Houston, looking downstream.

Bottom photograph (by J.C. Rosendale)—Buffalo Bayou, Houston, heading upstream.

**U.S. Department of the Interior
U.S. Geological Survey**

**Fish, Benthic Macroinvertebrate, and Stream Habitat
Data From the Houston-Galveston Area Council
Service Area, Texas, 1997–98**

By J. Bruce Moring, John C. Rosendale, Stephen P. Ansley, and Dexter W. Brown

**U.S. GEOLOGICAL SURVEY
Open-File Report 98–658**

**In cooperation with the Houston-Galveston Area Council
and the Texas Natural Resource Conservation Commission
*under the authorization of the Texas Clean Rivers Act***

**Austin, Texas
1998**

U.S. DEPARTMENT OF THE INTERIOR

Gale A. Norton, Secretary

U.S. GEOLOGICAL SURVEY

Charles G. Groat, Director

Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

For additional information write to

**District Chief
U.S. Geological Survey
8027 Exchange Dr.
Austin, TX 78754-4733
E-mail: dc_tx@usgs.gov**

Copies of this report can be purchased from

**U.S. Geological Survey
Information Services
Box 25286
Denver, CO 80225-0286
E-mail: infoservices@usgs.gov**

CONTENTS

Abstract	1
Introduction	1
Purpose and Scope	1
Description of Study Area	1
Site and Sampling Reach Selection	3
Fish Community Data	3
Benthic Macroinvertebrate Data	4
Stream Habitat Data	5
Field-Measured Data	5
References	5
Glossary	6

FIGURE

1. Map showing data-collection sites in the Houston-Galveston Area Council service area	2
---	---

TABLES

1. Data-collection sites in the Houston-Galveston Area Council service area	7
2. Taxonomic classification of fish and counts for individual taxa for sites in the Houston-Galveston Area Council service area	9
3. Fish community data for sites in the Houston-Galveston Area Council service area	33
4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area	40
5. Benthic macroinvertebrate data for sites in the Houston-Galveston Area Council service area	106
6. Physical habitat data for stream reaches at sites in the Houston-Galveston Area Council service area	111

Fish, Benthic Macroinvertebrate, and Stream Habitat Data From the Houston-Galveston Area Council Service Area, Texas, 1997–98

By J. Bruce Moring, John C. Rosendale, Stephen P. Ansley, *and* Dexter W. Brown

Abstract

The U.S. Geological Survey collected fish, benthic macroinvertebrate, and stream habitat data at sampling sites in the Houston-Galveston Area Council service area, a 15-county area with a population of about 4.3 million people. The data were collected for a 1997–98 study in cooperation with the Houston-Galveston Area Council to provide data for the Texas Clean Rivers Program for watersheds near Houston, Texas. Fish community and stream habitat data were collected at all 56 sites selected, and benthic macroinvertebrate data were collected at 39 of the sites.

INTRODUCTION

The Houston-Galveston Area Council (H-GAC) is the lead agency for the Texas Natural Resource Conservation Commission (TNRCC) Texas Clean Rivers Program (CRP) for watersheds near Houston, Tex. This program required H-GAC to develop (1996) and implement (1997–98) a regional water-quality monitoring program. The objective of the monitoring program is to provide the data needed to assess current water-quality conditions in the H-GAC service area. The assessment will be used to direct future regulatory and management actions on stream segments impacted by point or non-point sources of contaminants.

The CRP Technical Steering Committee for H-GAC determined that additional monitoring activities should include biomonitoring methods to assess water quality in the H-GAC service area. H-GAC initially considered several water-quality monitoring options that included (1) extending routine chemical monitoring to additional stations; (2) increasing the frequency of sampling at existing stations; (3) expanding the parameters monitored at each station; and (4) implementing a regional toxics synoptic survey. H-GAC considered all of these options, and because of considerable historical and ongoing monitoring by Federal, State, and local agencies in the service area, the options of

increasing the site coverage or the parameters were not selected. Instead, H-GAC elected to focus on biological monitoring as the major component of its CRP monitoring program for the 1997–98 biennium.

Purpose and Scope

During 1997–98, the U.S. Geological Survey (USGS), in cooperation with the Houston-Galveston Area Council and the Texas Natural Resource Conservation Commission under the authorization of the Texas Clean Rivers Act, conducted an investigation to define the status of in-stream biological resources, including fish and macrobenthic community structure and stream physical habitat conditions. The study objective was to conduct a status assessment of the in-stream biological resources at above-tidal stream sites throughout the H-GAC service area. This report presents a compilation of all fish, benthic macroinvertebrate, and stream habitat data collected for the study and also presents a summary of the approach and specific methods used for data collection.

Description of Study Area

The H-GAC service area (fig. 1) consists of the 15-county Gulf Coast Planning Region covering about 20,100 square kilometers (km²) and with a population of about 4.3 million people. H-GAC is a region-wide voluntary association of about 150 local governments and elected officials in the Gulf Coast Planning Region. H-GAC membership includes 15 county governments, 106 cities, 19 school districts, and 10 soil and water conservation districts—and includes all major general-purpose local governments in the regions.

The watersheds assigned to H-GAC under the CRP include the San Jacinto River Basin, Trinity-San Jacinto Coastal Basin, San Jacinto-Brazos Basin, and Brazos-Colorado Coastal Basin. The majority of the study area, including all coastal areas, is within the Western Gulf Coastal Plain ecoregion (Omernick, 1987). The Central Plains ecoregion extends into the

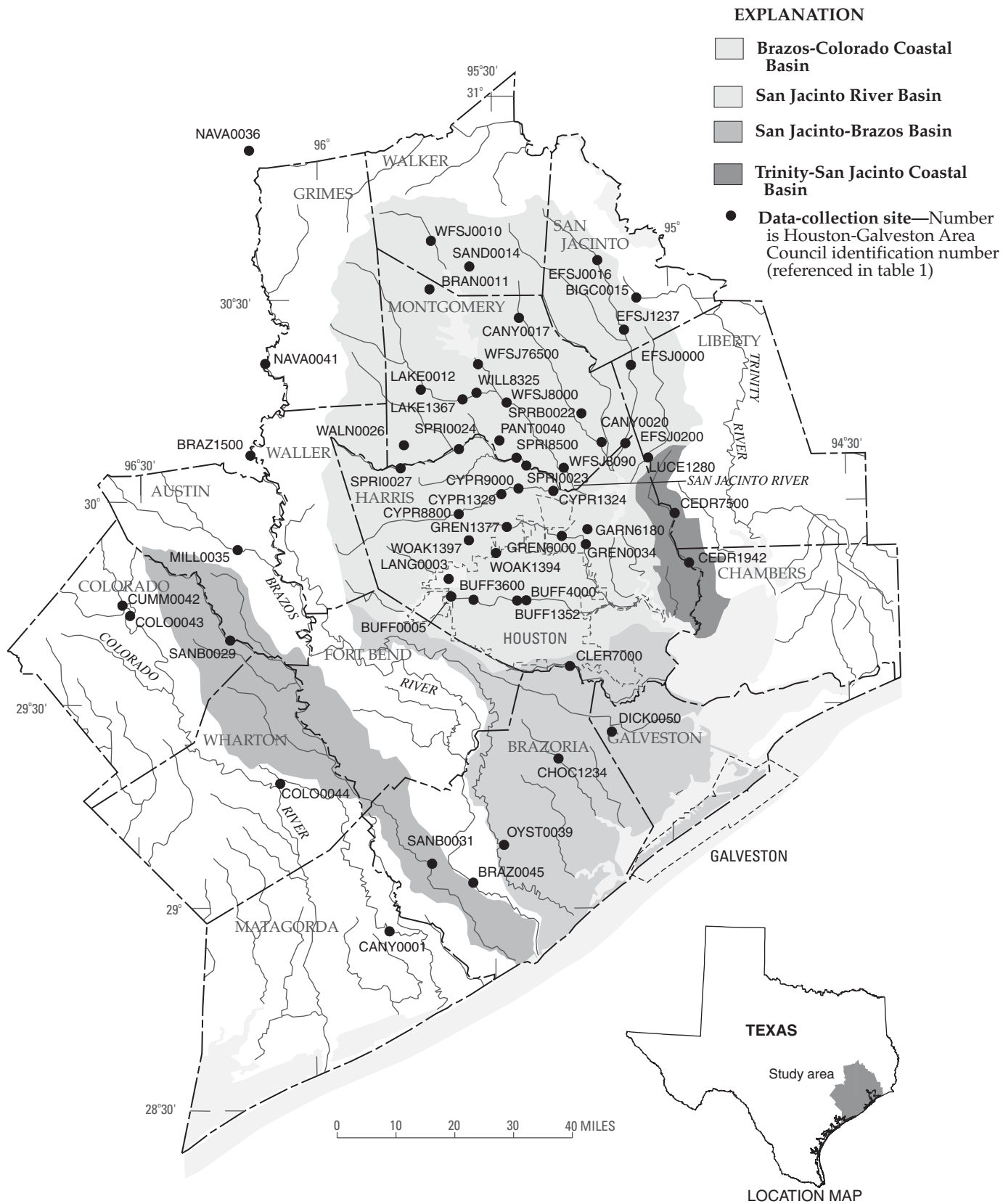


Figure 1. Data-collection sites in the Houston-Galveston Area Council service area.

northeastern part of the area, and the East Central, South Central, and Blackland Prairie ecoregions constitute the extreme northwestern part of the area. Natural features in the area include evergreen forests in the San Jacinto River Basin; extensively forested wetland corridors along the Trinity, Brazos, and Colorado Rivers, coastal bays, and estuaries; and non-forested wetlands in the large river floodplains and coastal areas. Cropland and pasture are the dominant rural land uses in the study area. Mixed urban, commercial, and industrial, particularly petrochemical industry along many of the waterways, are the dominant land uses in and around the greater Houston metropolitan area.

Site and Sampling Reach Selection

Site selection was based on information from H-GAC service area base maps and geographic information system (GIS) coverages that include (1) ecoregion and/or physiogeographic provinces; (2) watershed and subwatershed boundaries; (3) potential vegetation; (4) land use; (5) TNRCC-designated stream segments and use classifications; and (6) network of current water-quality monitoring stations. A pool of 120 possible data-collection sites was screened for initial assessment applicability efforts.

An on-site field reconnaissance of possible sites was conducted to ensure suitability for fish, benthic macroinvertebrate, and habitat surveys. On the basis of the reconnaissance, the number of possible sites was reduced to 70. Additional sites were eliminated for further consideration if the site was (1) known to be tidally influenced; (2) close to a site in the same ecoregion and of the same channel size gaged for discharge by either USGS or other agencies; (3) lacking in suitable habitat features; and/or (4) limited for access because private property or other conditions prevent safe access. The final screening resulted in a total of 56 sites for assessment (fig. 1).

Of the 56 sites, all were selected for fish community and physical habitat assessment, and 39 sites were selected for benthic macroinvertebrates assessment (table 1 at end of report). Fish community, benthic macroinvertebrate, and stream habitat data collected at the 56 sites and listed in tables 2–6 (at end of report) can be accessed on the World Wide Web at URL <<http://tx.usgs.gov/biology/hgac/index.html>>. Additional data collected during the study are available on the web site, including weight and length of individual fish.

A sampling reach was established at each site on the basis of the frequency of the geomorphic channel units (riffles, runs, or pools) or on the basis of a multiple of the channel width if the channel lacked distinct geomorphic channel units (Meador, Hupp, and others, 1993). Each sampling reach had two each of at least two of the three geomorphic channel units and length ranging from a minimum of 10 times the channel width to a maximum of 20 times the channel width. Channel width was defined as the width from one bank-full terrace to the same terrace on the opposite bank.

Location coordinates were determined with a hand-held global positioning system (GPS) instrument for upstream and downstream boundaries of the sampling reaches. Where possible, coordinates for at least one permanent reference feature near the sampling reach, such as a bridge pier or abutment, also were determined.

FISH COMMUNITY DATA

The fish community at each of the 56 sites was surveyed by a single pass of the sampling reach with backpack, barge, or boat electrofishing equipment depending on site accessibility and channel characteristics (Meador, Cuffney, and Gurtz, 1993). Seine-hauls were made when sites or specific areas of the reach were not accessible with electrofishing equipment. Seines used included (1) a 3.1 by 1.2 by 0.003-meter (m) mesh common-sense minnow seine; (2) a 7.6 by 1.8 by 0.006-m mesh bag seine; and (3) a 30.5 by 1.8 by 0.025-m mesh beach seine.

All collected fish, with the exception of vouchered specimens, were maintained in aerated holding tanks prior to processing and returned to the stream upon completion of the survey. All fish were individually identified (table 2 at end of report). Weight and length data also are available on the web site (<http://tx.usgs.gov/biology/hgac/index.html>). Specimens of each non-game species were vouchered for verification of identification and permanently stored at the USGS office, Austin, Tex. All identification, weight, and length data were recorded in the field, reviewed for accuracy, and keyed into an electronic spreadsheet pending data analysis.

Fish community metrics were computed to summarize the fish community data at each site (table 3 at end of report) and to provide information for data analysis and interpretation. The data include number of species; Menhinick's richness index; Shannon-Wiener diversity (actual counts, relative abundance);

Pielou's evenness (actual counts, relative abundance); number of darter species, sunfish species, sucker species, intolerant species (Linam and Kleinsasser, 1998); proportion¹ of green sunfish; number of green sunfish; proportion of omnivores, insectivores, piscivores; total number of individuals; proportion of hybrids, external anomalies; degradation index; and percent degradation (see Glossary for definition of terms).

BENTHIC MACROINVERTEBRATE DATA

Three to five benthic macroinvertebrate samples were collected in the sampling reach at 39 sites from the richest targeted habitat (RTH) and composited (Cuffney and others, 1993). The RTH should have the greatest number of benthic macroinvertebrate species, particularly aquatic insects. The RTH sampled at each site generally consists of a coarse substratum such as a gravel/cobble bottom or entrained woody debris and leaves in a riffle or moderately flowing section of the reach. The number of samples collected in each reach was determined by the availability of substratum for sampling. A non-random method of locating the sampling reaches was used because of the patchy distribution of suitable habitat, and because in the majority of reaches, a maximum of only three to five snags could be located with woody debris that was large and stable enough to be well colonized by benthic macroinvertebrates.

Each bottom sample was collected with a modified surber sampler (Cuffney and others, 1993) consisting of a rectangular-framed sampler with a 425-micrometer (μm) mesh net and attached 425- μm plankton bucket. In cobble substrate, a 0.25-square meter (m^2) area in front of the net was disturbed for 1 minute and all the larger rocks within the quadrat were removed, individually brushed in front of the net, and picked by hand. Contents of the plankton bucket were emptied into a 19-liter (L) container, and any invertebrates remaining on the surber net were removed and placed in the container. For woody debris samples, a submerged limb or branch was removed, rinsed with native water, and brushed while holding the limb over the modified surber. The woody sample was picked by hand using forceps to remove any organisms not dislodged during the rinsing and brushing.

¹Proportions were calculated as the ratio of the number of individual fish in each category to the total number of fish collected in the reach.

The composite sample, consisting of the three to five RTH samples, was wet-sieved in the field using a 425- μm mesh sieve. Large, soft-bodied organisms were collected from the sieve and fixed in 10-percent buffered formalin separately from the main body of the sample to minimize damage to these specimens during sample processing by the contract laboratory (Cuffney and others, 1993). Each composited main-body sample was transferred from the sieve to a 1-L polyethylene sample jar and fixed in 10-percent buffered formalin. Within 2 weeks after collection, all samples were transferred from the 10-percent formalin to a 70-percent ethanol solution for preservation pending shipment to the contract laboratory for sample processing, identification, and enumeration.

All benthic samples were shipped to Ecoanalysts Inc. of Moscow, Idaho, for sample processing and organism identification and enumeration (table 4 at end of report). Five-hundred organisms were subsampled from each main-body sample for identification and enumeration. Three samples were selected randomly by the contractor from the 39 samples as quality-control samples. Incremental 100-counts were done on each sample until all organisms in the sample had been identified. An average recovery of 77 percent of the total number of taxa was obtained at the 500-count incremental total for the three samples. Benthic macroinvertebrates for each reach were identified to the lowest possible taxon and counts generated for each taxon (Cuffney and others, 1993). Ecoanalysts Inc. provided all identification, enumeration, and community metrics in digital form in a spreadsheet and in hard copy. Community metrics were computed to summarize the benthic macroinvertebrate data for each site (table 5 at end of report) and to provide information for data analysis and interpretation. These data include number of taxa; Ephemeroptera Plecoptera Trichoptera (EPT) taxa richness; percent EPT taxa, Chironomidae, Ephemeroptera, Oligochaeta, Plecoptera, Trichoptera, filterers, gatherers, predators, scrapers, shredders; number of filterer taxa, gatherer taxa, predator taxa, scraper taxa, shredder taxa; Shannon-Wiener diversity index ($\log 10$, $\log 2$, $\log e$); Hilsenhoff's biotic index; Margalef's richness; Pielou's evenness; and Simpson's heterogeneity. Ecoanalysts Inc. produced a reference collection consisting of one or more specimens for each taxon identified, and this reference collection is permanently stored at the USGS office, Austin.

STREAM HABITAT DATA

The riparian, channel, and environmental (RCE) index (Petersen, 1992), computed at each site to provide an initial and rapid assessment of the physical conditions of the small to mid-size channel reaches, is based on 16 scored metrics that include adjacent land use, continuity, vegetative makeup of the riparian and floodplain zones, channel structure, channel sediments, bank undercutting, aquatic vegetation, and type and frequency of geomorphic channel units. The inventory generates a unitless numerical score that can be used to compare the physical conditions with the biological conditions between different streams at the same level of site classification, such as small streams in an urban land use and a particular physiogeographic setting. The numerical score is divided into five classes to facilitate its use in stream-monitoring programs and to compare with biological metrics.

In addition to the RCE index, several reach-based and within reach, transect-based measures were made (table 6 at end of report). Three to four channel cross sections extending from the high-bank terrace on one bank to the high-bank terrace on the opposite bank were selected in each reach collocated with the geomorphic channel units that were selected. Each transect assessment included latitude and longitude of reach reference marker; linear and curvilinear reach length; sinuosity; number of snags, other obstructions, stumps; structural index; number of undercut banks, bars; mean right and left bank slope; mean bank slope, channel width; mean right and left bank height; mean bank height to width ratio; mean wetted channel width; mean depth, velocity; RCE; and RCE maximum value. Upstream to downstream reach measures were normalized by dividing each frequency measure by the curvilinear reach length to allow for comparisons between reaches of different lengths.

A Sokia Leitz Set 4A laser-operated total station was used to survey all transects and the entire reach to produce many of the reach measures. For each reach, the total station was positioned to provide the most complete view of the reach and was leveled before beginning each reach survey. The survey began by referencing in the total station to a benchmark of known elevation or to an arbitrary reference monument or installed marker that was given an arbitrary elevation from 30.5 to 61 m. Reach channel features were surveyed by positioning a calibrated surveying rod with a top-mounted reflective prism at each position to be sur-

veyed. The total station emits a laser beam that is reflected from the prism back to the total station. The total station calculates the x, y, and z position of the surveyed point in relation to the benchmark or reference monument. All survey data were stored on-site in a datalogger that was electronically linked to the total station. The data were imported into an electronic spreadsheet, sorted, and computations performed to determine linear reach length, curvilinear reach length, bank height, bank width, bank slope, wetted channel width, mean depth, and frequencies of various in-channel structures such as woody debris and undercut banks. Because of the large number of individual data points involved in computing the various habitat measures, only the summarized version of the habitat data is provided in this data report.

FIELD-MEASURED DATA

On-site field measurements of dissolved oxygen, pH, specific conductance, Secchi-disk depth, and temperature were taken at most sites in shallow water near the bank (table 4). These measurements were taken once, generally in the late afternoon after completing fish and benthic macroinvertebrate assessments. A Hydrolab meter was used for temperature and specific conductance, and a YSI-meter was used for pH and dissolved oxygen. All meters were calibrated each day before a set of measurements were taken.

REFERENCES

- Cuffney, T.F., Gurtz, M.E., and Meador, M.R., 1993, Methods for collecting benthic invertebrate samples as part of the National Water-Quality Assessment Program: U.S. Geological Survey Open-File Report 93-406, 66 p.
- Linam, G.W., and Kleinsasser, L.J., 1998, Classification of Texas freshwater fishes into trophic and tolerance groups: Texas Parks and Wildlife River Studies Report 14, 6 p.
- Meador, M.R., Cuffney, T.F., and Gurtz, M.E., 1993, Methods for sampling fish communities as part of the National Water-Quality Assessment Program: U.S. Geological Survey Open-File Report 93-104, 40 p.
- Meador, M.R., Hupp, C.R., Cuffney, T.F., and Gurtz, M.E., 1993, Methods for characterizing stream habitat as part of the National Water-Quality Assessment Program: U.S. Geological Survey Open-File Report 93-408, 48 p.
- Omernick, J.N., 1987, Ecoregions of the conterminous United States: *Annals of the Association of American Geographers*, v. 77, p. 118-125.
- Petersen, R.C., 1992, The RCE—A riparian, channel, and environmental inventory for small streams in the agricultural landscape: *Freshwater Biology*, v. 27, p. 295-306.

GLOSSARY

- Bank height**—The difference between elevation measurements for the deepest point in the channel (thalweg) and the high bank terrace.
- Channel width**—The distance measured from left high bank to right high bank.
- Curvilinear length**—The distance from the upstream boundary to the downstream boundary of the wetted channel, measured by summing the distances between the edge of water points.
- Degradation index**—The sum of the proportions of omnivores, green sunfish, and external anomalies for the fish community at each site.
- EPT**—Ephemeroptera (E), Plecoptera (P), Trichoptera (T), ordinal groups in the class Insecta.
- High bank**—The terrace that defines the boundary between the riparian zone and the floodplain and corresponds to the bankfull stage of streamflow.
- Hilsenhoff's biotic index**—An index of pollution based on the presence of specific taxa (families) of aquatic insects.
- Intolerant taxa**—Fish taxa determined to be intolerant of degraded water-quality conditions.
- Linear length**—The straight line distance from the upstream boundary to the downstream boundary, computed with the upstream and downstream edge of water points using the formula for determining the hypotenuse of a right triangle.
- Margalef's richness**—A richness (R) index that is computed as $R = S - 1/\ln(n)$, where S is the number of species, and n is the number of individuals.
- Menhinick's richness index**—The ratio of the number of species to the square root of the sample size.
- Pielou's evenness**—An evenness index that is expressed as a diversity index for a site relative to the maximum value for that index when all the species in the sample are perfectly even with one individual per species.
- Riparian, channel, and environmental index (RCE)**—A unitless index that is based on the cumulative score of 16 individual metrics that include metrics for channel, riparian, and adjacent land-use features. A higher score indicates less disturbance of the channel and riparian zone.
- RCE maximum value**—The ratio of the RCE score for a site to the maximum RCE score for all sites.
- Shannon-Wiener diversity index**—A unitless index of diversity, from 0 to 1, that is derived from information theory and is a measure of the “uncertainty” in predicting to what species an individual chosen at random from a collection of species will belong to.
- Simpson's heterogeneity**—A unitless index, from 0 to 1, that is a measure of the probability that two individuals drawn at random from a population are from the same species.
- Sinuosity**—The ratio between the linear reach length and the curvilinear reach length. The value is useful for comparisons of habitat conditions among and within streams.
- Structural index**—A measure of structural complicity for the reach. The unitless index is the ratio of the frequency of in-channel structures for a reach to the curvilinear length for that reach.
- Thalweg**—The deepest point in the channel.
- Wetted channel width**—The distance, perpendicular to streamflow, between the left edge of water and the corresponding right edge of water.

Table 1. Data-collection sites in the Houston-Galveston Area Council service area

[H-GAC ID, Houston-Galveston Area Council identification number; FM, farm road]

Site name	Data collected			H-GAC ID (fig. 1)	Downstream reach boundary coordinates	
	Fish	Benthic macroin- vertebrates	Habitat		Latitude	Longitude
Big Creek in Big Creek scenic area/Sam Houston National Forest	+	+	+	BIGC0015	30°30'13"	95°05'21"
Branch Creek at FM 1375 bridge	+	+	+	BRAN0011	30°31'38"	95°40'45"
Brazos River near Brazoria County at State 332	+		+	BRAZ0045	29°03'50"	95°33'43"
Brazos River near Hempstead	+		+	BRAZ1500	30°07'04"	96°11'21"
Buffalo Bayou at Eldridge Pkwy.	+	+	+	BUFF0005	29°46'13"	95°37'15"
Buffalo Bayou at Houston	+	+	+	BUFF4000	29°45'36"	95°24'30"
Buffalo Bayou at Memorial Pkwy.	+		+	BUFF1352	29°45'34"	95°26'03"
Buffalo Bayou at West Belt Dr.	+	+	+	BUFF3600	29°45'43"	95°33'27"
Caney Creek at FM 457 near Bay City	+		+	CANY0001	28°56'40"	95°47'50"
Caney Creek near New Caney	+	+	+	CANY0020	30°08'55"	95°11'30"
Caney Creek near Willis	+	+	+	CANY0017	30°27'21"	95°25'28"
Cedar Bayou at FM 1942	+		+	CEDR1942	29°50'59"	94°56'48"
Cedar Bayou near Crosby	+	+	+	CEDR7500	29°58'20"	94°59'10"
Chocolate Bayou at FM 1462	+	+	+	CHOC1234	29°22'09"	95°19'14"
Clear Creek at State 35/Telephone Rd.	+	+	+	CLER7000	29°35'50"	95°17'11"
Colorado River at U.S. 59 near Wharton	+		+	COLO0044	29°18'32"	96°06'13"
Colorado River at State 71 near Columbus	+		+	COLO0043	29°43'18"	96°31'43"
Cummins Creek at FM 109 near Columbus	+		+	CUMM0042	29°44'49"	96°33'02"
Cypress Creek west of I-45 and north of FM 1960 at Cypresswood	+	+	+	CYPR1324	30°01'45"	95°19'47"
Cypress Creek at Grant Rd.	+	+	+	CYPR8800	29°58'24"	95°35'54"
Cypress Creek at I-45 bridge	+	+	+	CYPR9000	30°02'08"	95°25'43"
Cypress Creek at Kuykendahl Rd. bridge	+	+	+	CYPR1329	30°01'19"	95°28'38"
Dickinson Bayou near Dickinson	+	+	+	DICK0050	29°26'04"	95°10'11"
East Fork San Jacinto River near Cleveland	+		+	EFSJ0000	30°20'16"	95°06'22"
East Fork San Jacinto River at FM 945	+	+	+	EFSJ0016	30°35'48"	95°11'58"
East Fork San Jacinto River near New Caney	+	+	+	EFSJ0200	30°08'43"	95°07'27"
East Fork San Jacinto River on FM 2025	+	+	+	EFSJ1237	30°25'29"	95°07'30"
East Sandy Creek at FM 1374 in Sam Houston National Forest	+	+	+	SAND0014	30°34'58"	95°33'55"
Garners Bayou near Humble	+		+	GARN6180	29°56'03"	95°14'02"
Greens Bayou at Mt. Houston Pkwy.	+	+	+	GREN0034	29°53'50"	95°14'19"

Table 1. Data-collection sites in the Houston-Galveston Area Council service area—Continued

Site name	Data collected			H-GAC ID (fig. 1)	Downstream reach boundary coordinates	
	Fish	Benthic	Habitat		Latitude	Longitude
		macroin- vertebrates				
Greens Bayou at U.S. 59 bridge	+		+	GREN6000	29°55'05"	95°18'24"
Greens Bayou at Veterans Memorial Dr.	+		+	GREN1377	29°56'28"	95°27'44"
Lake Creek at FM 149	+	+	+	LAKE0012	30°16'48"	95°42'18"
Lake Creek near Egypt	+	+	+	LAKE1367	30°15'21"	95°34'70"
Langham Creek at Patterson Rd.	+	+	+	LANG0003	29°48'49"	95°37'40"
Luce Bayou above Lake Houston near Huffman	+	+	+	LUCE1280	30°06'34"	95°03'35"
Mill Creek near Sealy	+		+	MILL0035	29°46'13"	95°37'15"
Navasota River at State 105 near Navasota	+		+	NAVA0041	30°20'37"	96°08'52"
Navasota River at State 21 near College Station	+		+	NAVA0036	30°52'06"	96°11'43"
Oyster Creek near Angleton, State 35	+	+	+	OYST0039	29°09'25"	95°28'30"
Panther Creek at The Woodlands	+	+	+	PANT0040	30°09'15"	95°28'55"
San Bernard below Attwater National Wildlife Refuge	+	+	+	SANB0029	29°39'43"	96°14'44"
San Bernard River near West Columbia	+	+	+	SANB0031	29°06'40"	95°40'38"
Spring Branch Creek at State 242/FM 2090	+	+	+	SPRB0022	30°13'11"	95°14'54"
Spring Creek at Riley Fuzzel	+	+	+	SPRI0023	30°05'31"	95°24'21"
Spring Creek at Spring (I-45 bridge)	+	+	+	SPRI8500	30°06'41"	95°26'01"
Spring Creek near Tomball	+	+	+	SPRI0024	30°08'00"	95°35'50"
Spring Creek on Robert Cemetery Rd.	+	+	+	SPRI0027	30°05'12"	95°45'46"
Walnut Creek near Magnolia	+	+	+	WALN0026	30°08'36"	95°45'12"
West Fork San Jacinto River above Lake Houston near Porter	+	+	+	WFSJ8090	30°05'09"	95°17'59"
West Fork San Jacinto River at State 30	+	+	+	WFSJ0010	30°38'47"	95°40'29"
West Fork San Jacinto River below Lake Conroe	+	+	+	WFSJ7650	30°20'32"	95°32'30"
West Fork San Jacinto River near Conroe at I-45	+		+	WFSJ8000	30°14'51"	95°27'39"
White Oak Bayou at Bingle Rd.	+	+	+	WOAK1394	29°52'37"	95°29'36"
White Oak Bayou at West Rd.	+		+	WOAK1397	29°54'31"	95°34'12"
Willow Creek near Tomball	+	+	+	WILL8325	30°16'19"	95°32'47"

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area
 [Number of individuals per taxon shown for each site.]

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				BIGC0015	BRAN0011	BRAZ0045	BRAZ1500	BUFF0005	BUFF4000	BUFF1352
Lampreys	Southern brook lamprey	Petromyzontidae	<i>Ichthyomyzon gagei</i>	6	0	0	0	0	0	0
Bowfins	Bowfin	Amiidae	<i>Amia calva</i>	0	0	0	0	1	0	0
Gars	Longnose gar	Lepisosteidae	<i>Lepisosteus osseus</i>	0	0	1	5	0	0	0
	Shortnose gar		<i>Lepisosteus platostomus</i>	0	0	0	0	0	0	0
	Spotted gar		<i>Lepisosteus oculatus</i>	0	0	33	6	13	4	5
Herrings	Gizzard shad	Clupeidae	<i>Dorosoma cepedianum</i>	0	0	1	23	1	595	1
	Threadfin shad		<i>Dorosoma petenense</i>	0	0	4	31	0	1	0
Pikes	Grass pickerel	Esocidae	<i>Esox americanus vermiculatus</i>	1	1	0	0	0	0	0
Minnnows	Black spot shiner	Cyprinidae	<i>Notropis atrocaudalis</i>	0	0	0	0	0	0	0
	River shiner		<i>Notropis blennioides</i>	0	0	0	0	0	0	0
	Sand shiner		<i>Notropis stramineus</i>	0	0	0	0	0	0	0
	Texas shiner		<i>Notropis amabilis</i>	0	0	0	0	0	0	0
	Pallid shiner		<i>Notropis amnis</i>	0	0	0	0	0	0	0
	Bullhead minnow		<i>Pimephales vigilax</i>	0	5	0	0	2	0	205
	Fathead minnow		<i>Pimephales promelas</i>	0	0	0	0	0	0	0
	Pugnose minnow		<i>Opsopoeodus emiliae</i>	0	0	0	0	0	0	0
	Roundnose minnow		<i>Dionda episcopa</i>	0	0	0	0	0	0	0
	Blacktail shiner		<i>Cyprinella venusta</i>	21	1	0	0	0	0	0
	Red shiner		<i>Cyprinella lutrensis</i>	1	5	1	0	0	1	5
	Speckled chub		<i>Macrhybopsis aestivalis</i>	0	0	0	0	0	0	0
	Common carp		<i>Cyprinus carpio</i>	0	0	0	0	3	7	0
	Grass carp		<i>Ctenopharyngodon idella</i>	0	0	0	0	0	1	2

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				BIGC0015	BRAN0011	BRAZ0045	BRAZ1500	BUFF0005	BUFF4000	BUFF1352
Suckers		Catastomidae								
	Blacktail redhorse		<i>Moxostoma poecilurum</i>	4	0	0	0	0	0	0
	Gray redhorse		<i>Moxostoma congestum</i>	0	0	0	0	0	0	0
	Spotted sucker		<i>Minytrema melanops</i>	0	0	0	0	0	0	0
	River carpsucker		<i>Carpiodes carpio</i>	0	0	0	0	0	0	0
	Smallmouth buffalo		<i>Ictiobus bubalus</i>	0	0	0	0	1	3	1
Catfish		Ictaluridae								
	Freckled madtom		<i>Noturus nocturnus</i>	0	0	0	0	0	0	0
	Tadpole madtom		<i>Noturus gyrinus</i>	2	0	0	0	0	0	0
	Black bullhead		<i>Ameiurus melas</i>	0	0	0	0	0	0	0
	Yellow bullhead		<i>Ameiurus natalis</i>	0	1	0	0	2	1	0
	Blue catfish		<i>Ictalurus furcatus</i>	0	0	9	0	0	12	2
	Channel catfish		<i>Ictalurus punctatus</i>	0	2	0	0	16	2	21
	Flathead catfish		<i>Pylodictis olivaris</i>	0	0	5	0	0	0	0
Killifishes		Cyprinodontidae								
	Blackspotted topminnow		<i>Fundulus olivaceus</i>	5	0	0	0	0	0	0
	Blackstripe topminnow		<i>Fundulus notatus</i>	60	12	0	0	0	0	0
	Golden topminnow		<i>Fundulus chrysotus</i>	0	0	0	0	0	0	0
Pirate perches		Aphredoderidae								
	Pirate perch		<i>Aphredoderus sayanus</i>	7	0	0	0	0	0	0
Livebearers		Poeciliidae								
	Mosquito fish		<i>Gambusia</i> sp.	0	11	0	0	0	0	1
	Sailfin molly		<i>Peocilia latipinna</i>	0	0	0	0	0	0	0
Silversides		Atherinidae								
	Brook silverside		<i>Labidesthes sicculus</i>	0	0	0	0	0	0	0
Temperate basses		Moronidae								
	Striped bass		<i>Morone saxatilis</i>	0	0	0	1	0	0	0
	White bass		<i>Morone chrysops</i>	0	0	0	0	0	0	0
Sunfishes		Centrarchidae								
	Bluegill		<i>Lepomis macrochirus</i>	16	2	0	0	13	2	11
	Dollar sunfish		<i>Lepomis marginatus</i>	1	0	0	0	0	0	0

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				BIGC0015	BRAN0011	BRAZ0045	BRAZ1500	BUFF0005	BUFF4000	BUFF1352
Sunfishes—Continued		Centrarchidae—Continued								
	Green sunfish		<i>Lepomis cyanellus</i>	4	2	0	0	0	0	0
	Longear sunfish		<i>Lepomis megalotis</i>	20	9	0	0	25	3	8
	Orangespotted sunfish		<i>Lepomis humilis</i>	0	0	0	0	0	0	0
	Pumpkinseed		<i>Lepomis gibbosus</i>	0	0	0	0	0	0	0
	Redbreast sunfish		<i>Lepomis auritus</i>	6	0	0	0	0	0	0
	Redear sunfish		<i>Lepomis microlophus</i>	0	0	0	0	0	0	0
	Spotted sunfish		<i>Lepomis punctatus</i>	12	0	0	0	0	0	0
	Warmouth		<i>Lepomis gulosus</i>	0	1	0	0	1	2	2
	Sunfish sp.		<i>Lepomis</i> sp.	0	0	1	0	0	0	0
	Guadalupe bass		<i>Micropterus treculi</i>	0	0	0	0	0	0	0
	Largemouth bass		<i>Micropterus salmoides</i>	1	0	0	0	3	1	3
	Spotted bass		<i>Micropterus punctulatus</i>	0	0	0	0	0	0	0
	Black crappie		<i>Pomoxis nigromaculatus</i>	0	0	0	0	0	0	0
	White crappie		<i>Pomoxis annularis</i>	0	0	0	1	1	0	2
Pygmy sunfishes		Elassomatidae								
	Banded pygmy sunfish		<i>Elassoma zonatum</i>	1	1	0	0	0	0	0
Perches		Percidae								
	Bigscale logperch		<i>Percina macrolepida</i>	2	0	0	0	0	0	0
	Dusky darter		<i>Peocilia sciera</i>	0	0	0	0	0	0	0
	Bluntnose darter		<i>Etheostoma chlorosomum</i>	3	0	0	0	0	0	0
	Slough darter		<i>Etheostoma gracile</i>	0	0	0	0	0	0	0
	Scaly sand darter		<i>Ammocrypta vivax</i>	1	0	0	0	0	0	0
Mulletts		Mugilidae								
	Striped mullet		<i>Mugil cephalus</i>	0	0	0	0	0	11	1
Drums		Sciaenidae								
	Freshwater drum		<i>Aplodinotus grunniens</i>	0	0	2	5	0	0	1
Cichlids		Cichlidae								
	Rio Grande cichlid		<i>Cichlasoma cyanoguttatum</i>	0	0	0	0	0	0	0
Flounders		Bothidae								
	Southern flounder		<i>Paralichthys lethostigma</i>	0	0	1	0	0	0	0
Total per site				174	53	58	72	82	646	271

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				BUFF3600	CANY0001	CANY0020	CANY0017	CEDR1942	CEDR7500	CHOC1234
Lampreys		Petromyzontidae								
	Southern brook lamprey		<i>Ichthyomyzon gagei</i>	0	0	0	0	0	0	0
Bowfins		Amiidae								
	Bowfin		<i>Amia calva</i>	0	0	0	0	0	0	0
Gars		Lepisosteidae								
	Longnose gar		<i>Lepisosteus osseus</i>	0	2	0	0	0	0	0
	Shortnose gar		<i>Lepisosteus platostomus</i>	0	0	0	0	0	0	0
	Spotted gar		<i>Lepisosteus oculatus</i>	3	3	3	0	2	0	1
Herrings		Clupeidae								
	Gizzard shad		<i>Dorosoma cepedianum</i>	1	1	12	0	0	0	0
	Threadfin shad		<i>Dorosoma petenense</i>	0	0	0	0	0	0	0
Pikes		Esocidae								
	Grass pickerel		<i>Esox americanus vermiculatus</i>	0	0	2	0	0	0	0
Minnnows		Cyprinidae								
	Black spot shiner		<i>Notropis atrocaudalis</i>	0	0	0	0	0	0	0
	River shiner		<i>Notropis blennioides</i>	0	0	0	0	0	0	0
	Sand shiner		<i>Notropis stramineus</i>	0	0	0	0	0	0	0
	Texas shiner		<i>Notropis amabilis</i>	0	0	0	0	0	0	0
	Pallid shiner		<i>Notropis amnis</i>	0	0	0	0	0	0	0
	Bullhead minnow		<i>Pimephales vigilax</i>	0	6	8	2	13	16	4
	Fathead minnow		<i>Pimephales promelas</i>	0	0	0	0	0	3	0
	Pugnose minnow		<i>Opsopoeodus emiliae</i>	0	0	0	0	0	0	0
	Roundnose minnow		<i>Dionda episcopa</i>	0	0	0	0	0	0	0
	Blacktail shiner		<i>Cyprinella venusta</i>	0	0	59	10	3	0	0
	Red shiner		<i>Cyprinella lutrensis</i>	0	1	1	3	10	9	11
	Speckled chub		<i>Macrhybopsis aestivalis</i>	0	0	0	0	0	0	0
	Common carp		<i>Cyprinus carpio</i>	0	0	0	0	0	0	0
	Grass carp		<i>Ctenopharyngodon idella</i>	0	0	0	0	0	0	0
Suckers		Catastomidae								
	Blacktail redhorse		<i>Moxostoma poecilurum</i>	0	0	32	1	0	0	0
	Gray redhorse		<i>Moxostoma congestum</i>	0	0	0	0	0	0	0
	Spotted sucker		<i>Minytrema melanops</i>	0	0	0	0	2	0	0

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				BUFF3600	CANY0001	CANY0020	CANY0017	CEDR1942	CEDR7500	CHOC1234
Suckers—Continued		Catastomidae—Continued								
	River carpsucker		<i>Carpoides carpio</i>	0	0	2	0	0	0	0
	Smallmouth buffalo		<i>Ictiobus bubalus</i>	0	1	0	0	0	0	0
Catfish		Ictaluridae								
	Freckled madtom		<i>Noturus nocturnus</i>	0	0	0	0	0	0	0
	Tadpole madtom		<i>Noturus gyrinus</i>	0	0	0	2	0	0	0
	Black bullhead		<i>Ameiurus melas</i>	0	0	0	0	0	0	0
	Yellow bullhead		<i>Ameiurus natalis</i>	1	0	1	1	0	4	0
	Blue catfish		<i>Ictalurus furcatus</i>	0	1	0	0	0	0	0
	Channel catfish		<i>Ictalurus punctatus</i>	0	0	8	0	0	15	2
	Flathead catfish		<i>Pylodictis olivaris</i>	0	0	0	0	1	0	0
Killifishes		Cyprinodontidae								
	Blackspotted topminnow		<i>Fundulus olivaceus</i>	0	0	0	0	0	0	0
	Blackstripe topminnow		<i>Fundulus notatus</i>	0	0	18	13	0	1	0
	Golden topminnow		<i>Fundulus chrysotus</i>	0	0	0	0	0	0	0
Pirate perches		Aphredoderidae								
	Pirate perch		<i>Aphredoderus sayanus</i>	0	1	4	6	0	0	0
Livebearers		Poeciliidae								
	Mosquito fish		<i>Gambusia sp.</i>	1	0	0	3	0	31	17
	Sailfin molly		<i>Peocilia latipinna</i>	0	0	0	0	0	0	3
Silversides		Atherinidae								
	Brook silverside		<i>Labidesthes sicculus</i>	0	0	0	0	0	0	0
Temperate basses		Moronidae								
	Striped bass		<i>Morone saxatilis</i>	0	0	0	0	0	0	0
	White bass		<i>Morone chrysops</i>	0	0	0	0	0	0	0
Sunfishes		Centrarchidae								
	Bluegill		<i>Lepomis macrochirus</i>	3	4	24	17	9	31	0
	Dollar sunfish		<i>Lepomis marginatus</i>	0	0	0	0	0	0	0
	Green sunfish		<i>Lepomis cyanellus</i>	2	0	1	2	0	2	3
	Longear sunfish		<i>Lepomis megalotis</i>	3	3	124	12	28	72	4
	Orangespotted sunfish		<i>Lepomis humilis</i>	0	0	1	0	0	1	0

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				BUFF3600	CANY0001	CANY0020	CANY0017	CEDR1942	CEDR7500	CHOC1234
Sunfishes—Continued		Centrarchidae—Continued								
	Pumpkinseed		<i>Lepomis gibbosus</i>	0	0	0	0	0	0	0
	Redbreast sunfish		<i>Lepomis auritus</i>	0	7	0	0	0	0	1
	Redear sunfish		<i>Lepomis microlophus</i>	0	0	0	0	0	0	0
	Spotted sunfish		<i>Lepomis punctatus</i>	0	0	0	2	0	2	0
	Warmouth		<i>Lepomis gulosus</i>	2	1	6	5	1	10	1
	Sunfish sp.		<i>Lepomis</i> sp.	0	0	0	0	0	0	0
	Guadalupe bass		<i>Micropterus treculi</i>	0	0	0	0	0	0	0
	Largemouth bass		<i>Micropterus salmoides</i>	2	1	7	2	0	4	0
	Spotted bass		<i>Micropterus punctulatus</i>	0	0	0	0	0	0	0
	Black crappie		<i>Pomoxis nigromaculatus</i>	0	1	0	0	0	0	0
	White crappie		<i>Pomoxis annularis</i>	0	1	1	0	0	0	0
Pygmy sunfishes		Elassomatidae								
	Banded pygmy sunfish		<i>Elassoma zonatum</i>	0	0	0	0	0	0	0
Perches		Percidae								
	Bigscale logperch		<i>Percina macrolepada</i>	0	0	0	0	0	0	0
	Dusky darter		<i>Peocilia sciera</i>	0	0	9	1	0	0	0
	Bluntnose darter		<i>Etheostoma chlorosomum</i>	0	0	0	0	0	0	0
	Slough darter		<i>Etheostoma gracile</i>	0	0	0	0	0	2	1
	Scaly sand darter		<i>Ammocrypta vivax</i>	0	0	0	0	0	0	0
Mulletts		Mugilidae								
	Striped mullet		<i>Mugil cephalus</i>	0	0	0	0	5	0	2
Drums		Sciaenidae								
	Freshwater drum		<i>Aplodinotus grunniens</i>	0	0	4	0	0	0	0
Cichlids		Cichlidae								
	Rio Grande cichlid		<i>Cichlasoma cyanoguttatum</i>	0	0	0	0	0	0	0
Flounders		Bothidae								
	Southern flounder		<i>Paralichthys lethostigma</i>	0	0	0	0	0	0	0
Total per site				18	34	327	82	74	203	50

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				CLER7000	COLO0044	COLO0043	CUMM0042	CYPR1324	CYPR8800	CYPR9000
Lampreys	Southern brook lamprey	Petromyzontidae	<i>Ichthyomyzon gagei</i>	0	0	0	0	0	0	0
Bowfins	Bowfin	Amiidae	<i>Amia calva</i>	0	0	0	0	0	0	0
Gars	Longnose gar	Lepisosteidae	<i>Lepisosteus osseus</i>	0	1	9	0	0	0	0
	Shortnose gar		<i>Lepisosteus platostomus</i>	0	0	0	0	0	0	0
	Spotted gar		<i>Lepisosteus oculatus</i>	0	4	8	1	2	7	0
Herrings	Gizzard shad	Clupeidae	<i>Dorosoma cepedianum</i>	0	7	45	0	108	1	9
	Threadfin shad		<i>Dorosoma petenense</i>	0	2	23	0	0	0	0
Pikes	Grass pickerel	Esocidae	<i>Esox americanus vermiculatus</i>	0	0	0	0	0	0	0
Minnows	Black spot shiner	Cyprinidae	<i>Notropis atrocaudalis</i>	0	0	0	0	0	0	0
	River shiner		<i>Notropis blennioides</i>	0	0	0	0	0	0	0
	Sand shiner		<i>Notropis stramineus</i>	0	0	0	1	0	0	0
	Texas shiner		<i>Notropis amabilis</i>	0	0	0	8	0	0	0
	Pallid shiner		<i>Notropis amnis</i>	0	0	0	0	0	0	0
	Bullhead minnow		<i>Pimephales vigilax</i>	51	7	0	27	155	23	140
	Fathead minnow		<i>Pimephales promelas</i>	2	0	0	0	0	0	0
	Pugnose minnow		<i>Opsopoeodus emiliae</i>	0	0	2	0	0	2	0
	Roundnose minnow		<i>Dionda episcopa</i>	0	13	0	0	0	0	0
	Blacktail shiner		<i>Cyprinella venusta</i>	0	0	2	52	19	4	18
	Red shiner		<i>Cyprinella lutrensis</i>	31	37	6	15	153	26	69
	Speckled chub		<i>Macrhybopsis aestivalis</i>	0	3	0	8	0	0	0
	Common carp		<i>Cyprinus carpio</i>	0	0	1	0	0	2	0
	Grass carp		<i>Ctenopharyngodon idella</i>	0	0	0	0	0	0	0
Suckers	Blacktail redhorse	Catastomidae	<i>Moxostoma poecilurum</i>	0	0	0	0	0	0	0
	Gray redhorse		<i>Moxostoma congestum</i>	0	0	0	1	0	0	0
	Spotted sucker		<i>Minytrema melanops</i>	0	0	0	0	0	0	0

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				CLER7000	COLO0044	COLO0043	CUMM0042	CYPR1324	CYPR8800	CYPR9000
Suckers—Continued		Catostomidae—Continued								
	River carpsucker		<i>Carpionoxenus carpio</i>	0	140	6	44	0	0	1
	Smallmouth buffalo		<i>Ictalurus bubalus</i>	0	5	3	0	0	0	0
Catfish		Ictaluridae								
	Freckled madtom		<i>Noturus nocturnus</i>	0	0	0	0	0	0	0
	Tadpole madtom		<i>Noturus gyrinus</i>	0	0	0	1	2	0	2
	Black bullhead		<i>Ameiurus melas</i>	0	0	0	0	0	0	0
	Yellow bullhead		<i>Ameiurus natalis</i>	0	2	0	0	0	0	0
	Blue catfish		<i>Ictalurus furcatus</i>	0	1	0	0	0	0	0
	Channel catfish		<i>Ictalurus punctatus</i>	4	7	0	2	11	3	0
	Flathead catfish		<i>Pylodictis olivaris</i>	0	0	0	0	0	0	0
Killifishes		Cyprinodontidae								
	Blackspotted topminnow		<i>Fundulus olivaceus</i>	0	0	0	0	0	0	0
	Blackstripe topminnow		<i>Fundulus notatus</i>	0	0	0	8	0	11	7
	Golden topminnow		<i>Fundulus chrysotus</i>	0	0	0	0	0	2	0
Pirate perches		Aphredoderidae								
	Pirate perch		<i>Aphredoderus sayanus</i>	0	0	0	0	0	2	0
Livebearers		Poeciliidae								
	Mosquito fish		<i>Gambusia sp.</i>	30	1	0	0	13	52	15
	Sailfin molly		<i>Peocilia latipinna</i>	2	0	0	0	0	0	2
Silversides		Atherinidae								
	Brook silverside		<i>Labidesthes sicculus</i>	0	0	0	0	0	0	0
Temperate basses		Moronidae								
	Striped bass		<i>Morone saxatilis</i>	0	0	1	0	0	0	0
	White bass		<i>Morone chrysops</i>	0	1	0	0	0	0	0
Sunfishes		Centrarchidae								
	Bluegill		<i>Lepomis macrochirus</i>	16	215	0	56	1	70	3
	Dollar sunfish		<i>Lepomis marginatus</i>	0	0	0	17	0	0	0
	Green sunfish		<i>Lepomis cyanellus</i>	27	8	1	8	2	19	7
	Longear sunfish		<i>Lepomis megalotis</i>	33	7	6	124	236	129	77
	Orangespotted sunfish		<i>Lepomis humilis</i>	0	0	0	0	0	0	0

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				CLER7000	COLO0044	COLO0043	CUMM0042	CYPR1324	CYPR8800	CYPR9000
Sunfishes—Continued		Centrarchidae—Continued								
	Pumpkinseed		<i>Lepomis gibbosus</i>	0	0	0	4	0	0	0
	Redbreast sunfish		<i>Lepomis auritus</i>	0	0	2	0	0	0	16
	Redear sunfish		<i>Lepomis microlophus</i>	0	0	0	0	0	0	0
	Spotted sunfish		<i>Lepomis punctatus</i>	0	0	0	0	0	0	0
	Warmouth		<i>Lepomis gulosus</i>	0	15	3	7	1	20	7
	Sunfish sp.		<i>Lepomis sp.</i>	0	0	0	0	0	0	0
	Guadalupe bass		<i>Micropterus treculi</i>	0	0	0	5	0	0	0
	Largemouth bass		<i>Micropterus salmoides</i>	1	1	0	1	27	26	11
	Spotted bass		<i>Micropterus punctulatus</i>	0	0	1	0	0	0	0
	Black crappie		<i>Pomoxis nigromaculatus</i>	0	0	0	0	0	0	0
	White crappie		<i>Pomoxis annularis</i>	0	0	1	1	1	1	6
Pygmy sunfishes		Elassomatidae								
	Banded pygmy sunfish		<i>Elassoma zonatum</i>	0	0	0	0	0	0	0
Perches		Percidae								
	Bigscale logperch		<i>Percina macrolepidia</i>	0	0	0	3	0	0	0
	Dusky darter		<i>Peocilia sciera</i>	0	2	0	0	0	0	0
	Bluntnose darter		<i>Etheostoma chlorosomum</i>	0	0	0	0	0	1	0
	Slough darter		<i>Etheostoma gracile</i>	0	0	0	0	0	0	0
	Scaly sand darter		<i>Ammocrypta vivax</i>	0	0	0	0	0	0	0
Mullets		Mugilidae								
	Striped mullet		<i>Mugil cephalus</i>	1	0	0	0	0	0	0
Drums		Sciaenidae								
	Freshwater drum		<i>Aplodinotus grunniens</i>	0	0	6	0	1	1	0
Cichlids		Cichlidae								
	Rio Grande cichlid		<i>Cichlasoma cyanoguttatum</i>	0	0	0	0	0	0	0
Flounders		Bothidae								
	Southern flounder		<i>Paralichthys lethostigma</i>	0	0	0	0	0	0	0
Total per site				198	479	126	394	732	402	390

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				CYPR1329	DICK0050	EFSJ0000	EFSJ0016	EFSJ0200	EFSJ1237	SAND0014
Lampreys		Petromyzontidae								
	Southern brook lamprey		<i>Ichthyomyzon gagei</i>	0	0	0	0	0	0	0
Bowfins		Amiidae								
	Bowfin		<i>Amia calva</i>	0	0	0	0	0	0	0
Gars		Lepisosteidae								
	Longnose gar		<i>Lepisosteus osseus</i>	0	0	0	0	0	0	0
	Shortnose gar		<i>Lepisosteus platostomus</i>	3	0	0	0	0	0	0
	Spotted gar		<i>Lepisosteus oculatus</i>	0	2	1	0	1	0	0
Herrings		Clupeidae								
	Gizzard shad		<i>Dorosoma cepedianum</i>	12	0	0	0	4	0	1
	Threadfin shad		<i>Dorosoma petenense</i>	0	0	0	0	0	0	0
Pikes		Esocidae								
	Grass pickerel		<i>Esox americanus vermiculatus</i>	0	0	0	1	0	0	0
Minnnows		Cyprinidae								
	Black spot shiner		<i>Notropis atrocaudalis</i>	0	0	0	0	0	0	0
	River shiner		<i>Notropis blennioides</i>	0	0	0	0	1	0	0
	Sand shiner		<i>Notropis stramineus</i>	0	0	0	0	0	0	0
	Texas shiner		<i>Notropis amabilis</i>	0	0	0	0	0	0	0
	Pallid shiner		<i>Notropis amnis</i>	1	0	0	0	0	0	0
	Bullhead minnow		<i>Pimephales vigilax</i>	210	0	15	0	54	0	17
	Fathead minnow		<i>Pimephales promelas</i>	0	0	0	0	0	0	0
	Pugnose minnow		<i>Opsopoeodus emiliae</i>	0	0	0	1	0	0	0
	Roundnose minnow		<i>Dionda episcopa</i>	0	0	0	0	0	0	0
	Blacktail shiner		<i>Cyprinella venusta</i>	25	0	14	3	74	74	14
	Red shiner		<i>Cyprinella lutrensis</i>	38	0	0	1	2	1	0
	Speckled chub		<i>Macrhybopsis aestivalis</i>	0	0	0	0	0	0	0
	Common carp		<i>Cyprinus carpio</i>	0	0	0	0	0	0	0
	Grass carp		<i>Ctenopharyngodon idella</i>	0	0	0	0	0	0	0
Suckers		Catastomidae								
	Blacktail redhorse		<i>Moxostoma poecilurum</i>	0	0	3	0	6	1	0
	Gray redhorse		<i>Moxostoma congestum</i>	0	0	0	0	0	0	0
	Spotted sucker		<i>Minytrema melanops</i>	0	0	0	0	0	0	2

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				CYPR1329	DICK0050	EFSJ0000	EFSJ0016	EFSJ0200	EFSJ1237	SAND0014
Suckers—Continued		Catastomidae—Continued								
	River carpsucker		<i>Carpiodes carpio</i>	0	0	0	0	0	0	0
	Smallmouth buffalo		<i>Ictiobus bubalus</i>	0	0	0	0	0	0	0
Catfish		Ictaluridae								
	Freckled madtom		<i>Noturus nocturnus</i>	0	0	0	0	1	0	0
	Tadpole madtom		<i>Noturus gyrinus</i>	1	0	0	0	0	4	3
	Black bullhead		<i>Ameiurus melas</i>	0	0	0	0	0	0	0
	Yellow bullhead		<i>Ameiurus natalis</i>	0	0	0	0	0	0	1
	Blue catfish		<i>Ictalurus furcatus</i>	0	0	0	0	0	0	0
	Channel catfish		<i>Ictalurus punctatus</i>	2	0	0	1	2	3	0
	Flathead catfish		<i>Pylodictis olivaris</i>	1	0	0	0	1	0	0
Killifishes		Cyprinodontidae								
	Blackspotted topminnow		<i>Fundulus olivaceus</i>	0	0	0	0	0	0	0
	Blackstripe topminnow		<i>Fundulus notatus</i>	2	0	3	8	17	3	6
	Golden topminnow		<i>Fundulus chrysotus</i>	0	0	0	0	0	0	0
Pirate perches		Aphredoderidae								
	Pirate perch		<i>Aphredoderus sayanus</i>	2	0	0	0	6	0	2
Livebearers		Poeciliidae								
	Mosquito fish		<i>Gambusia</i> sp.	65	3	0	11	0	0	2
	Sailfin molly		<i>Peocilia latipinna</i>	2	0	0	0	0	0	0
Silversides		Atherinidae								
	Brook silverside		<i>Labidesthes sicculus</i>	0	0	0	0	0	0	0
Temperate basses		Moronidae								
	Striped bass		<i>Morone saxatilis</i>	0	0	0	0	0	0	0
	White bass		<i>Morone chrysops</i>	0	0	0	0	0	0	0
Sunfishes		Centrarchidae								
	Bluegill		<i>Lepomis macrochirus</i>	29	0	7	14	2	1	53
	Dollar sunfish		<i>Lepomis marginatus</i>	0	0	5	0	0	0	0
	Green sunfish		<i>Lepomis cyanellus</i>	24	4	0	6	1	0	1
	Longear sunfish		<i>Lepomis megalotis</i>	90	2	27	9	163	6	28
	Orangespotted sunfish		<i>Lepomis humilis</i>	0	0	0	0	3	0	0

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				CYPR1329	DICK0050	EFSJ0000	EFSJ0016	EFSJ0200	EFSJ1237	SAND0014
Sunfishes—Continued		Centrarchidae—Continued								
	Pumpkinseed		<i>Lepomis gibbosus</i>	0	0	0	0	0	0	0
	Redbreast sunfish		<i>Lepomis auritus</i>	9	0	0	0	0	0	0
	Redear sunfish		<i>Lepomis microlophus</i>	0	0	0	0	0	0	0
	Spotted sunfish		<i>Lepomis punctatus</i>	0	0	0	0	0	3	3
	Warmouth		<i>Lepomis gulosus</i>	12	1	1	4	3	0	5
	Sunfish sp.		<i>Lepomis</i> sp.	0	0	0	0	0	0	0
	Guadalupe bass		<i>Micropterus treculi</i>	0	0	0	0	0	0	0
	Largemouth bass		<i>Micropterus salmoides</i>	19	0	1	0	7	2	1
	Spotted bass		<i>Micropterus punctulatus</i>	0	0	0	0	0	0	0
	Black crappie		<i>Pomoxis nigromaculatus</i>	0	0	0	0	0	0	0
	White crappie		<i>Pomoxis annularis</i>	16	0	0	0	0	0	0
Pygmy sunfishes		Elassomatidae								
	Banded pygmy sunfish		<i>Elassoma zonatum</i>	0	0	0	0	0	1	0
Perches		Percidae								
	Bigscale logperch		<i>Percina macrolepida</i>	0	0	0	0	0	0	0
	Dusky darter		<i>Peocilia sciera</i>	0	0	0	0	28	0	4
	Bluntnose darter		<i>Etheostoma chlorosomum</i>	0	0	0	0	0	0	0
	Slough darter		<i>Etheostoma gracile</i>	0	0	0	0	0	0	0
	Scaly sand darter		<i>Ammocrypta vivax</i>	0	0	0	0	0	0	0
Mullets		Mugilidae								
	Striped mullet		<i>Mugil cephalus</i>	0	0	0	0	0	0	0
Drums		Sciaenidae								
	Freshwater drum		<i>Aplodinotus grunniens</i>	0	0	4	0	0	0	0
Cichlids		Cichlidae								
	Rio Grande cichlid		<i>Cichlasoma cyanoguttatum</i>	0	0	0	0	0	0	0
Flounders		Bothidae								
	Southern flounder		<i>Paralichthys lethostigma</i>	0	0	0	0	0	0	0
Total per site				563	12	81	59	376	99	143

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—
Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				GARN6180	GREN0034	GREN6000	GREN1377	LAKE0012	LAKE1367	LANG0003
Lampreys	Southern brook lamprey	Petromyzontidae	<i>Ichthyomyzon gagei</i>	0	0	0	0	0	0	0
Bowfins	Bowfin	Amiidae	<i>Amia calva</i>	0	0	0	0	0	0	1
Gars	Longnose gar	Lepisosteidae	<i>Lepisosteus osseus</i>	0	0	0	0	0	0	14
	Shortnose gar		<i>Lepisosteus platostomus</i>	0	0	0	0	1	0	0
	Spotted gar		<i>Lepisosteus oculatus</i>	1	2	0	11	0	0	0
Herrings	Gizzard shad	Clupeidae	<i>Dorosoma cepedianum</i>	2	1	2	0	1	4	60
	Threadfin shad		<i>Dorosoma petenense</i>	0	0	0	0	0	0	0
Pikes	Grass pickerel	Esocidae	<i>Esox americanus vermiculatus</i>	0	0	0	0	0	0	0
Minnows	Black spot shiner	Cyprinidae	<i>Notropis atrocaudalis</i>	0	0	0	0	0	0	0
	River shiner		<i>Notropis blennioides</i>	0	0	0	0	0	0	0
	Sand shiner		<i>Notropis stramineus</i>	0	0	0	0	0	3	0
	Texas shiner		<i>Notropis amabilis</i>	0	0	0	0	0	0	0
	Pallid shiner		<i>Notropis amnis</i>	0	0	0	0	0	0	0
	Bullhead minnow		<i>Pimephales vigilax</i>	52	7	11	99	15	81	0
	Fathead minnow		<i>Pimephales promelas</i>	0	0	0	0	0	0	0
	Pugnose minnow		<i>Opsopoeodus emiliae</i>	0	0	0	0	0	0	0
	Roundnose minnow		<i>Dionda episcopa</i>	0	0	0	0	0	0	0
	Blacktail shiner		<i>Cyprinella venusta</i>	0	0	0	0	34	48	0
	Red shiner		<i>Cyprinella lutrensis</i>	25	61	141	153	7	0	0
	Speckled chub		<i>Macrhybopsis aestivalis</i>	0	0	0	0	0	0	0
	Common carp		<i>Cyprinus carpio</i>	0	3	0	2	0	0	0
	Grass carp		<i>Ctenopharyngodon idella</i>	0	0	0	0	0	0	0
Suckers	Blacktail redhorse	Catastomidae	<i>Moxostoma poecilurum</i>	0	0	0	0	2	7	0
	Gray redhorse		<i>Moxostoma congestum</i>	0	0	0	0	0	0	0
	Spotted sucker		<i>Minytrema melanops</i>	0	0	0	0	0	0	0

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				GARN6180	GREN0034	GREN6000	GREN1377	LAKE0012	LAKE1367	LANG0003
Suckers—Continued		Catostomidae—Continued								
	River carpsucker		<i>Carpionoxenus carpio</i>	0	0	0	0	0	0	0
	Smallmouth buffalo		<i>Ictalurus bubalus</i>	0	0	0	0	0	0	0
Catfish		Ictaluridae								
	Freckled madtom		<i>Noturus nocturnus</i>	0	0	0	0	0	1	0
	Tadpole madtom		<i>Noturus gyrinus</i>	0	0	0	0	0	2	1
	Black bullhead		<i>Ameiurus melas</i>	0	0	0	0	0	0	0
	Yellow bullhead		<i>Ameiurus natalis</i>	3	0	0	1	0	0	0
	Blue catfish		<i>Ictalurus furcatus</i>	0	0	0	0	0	0	0
	Channel catfish		<i>Ictalurus punctatus</i>	0	0	1	1	1	1	0
	Flathead catfish		<i>Pylodictis olivaris</i>	0	0	0	0	0	0	0
Killifishes		Cyprinodontidae								
	Blackspotted topminnow		<i>Fundulus olivaceus</i>	0	0	0	0	0	0	0
	Blackstripe topminnow		<i>Fundulus notatus</i>	0	0	0	0	8	1	0
	Golden topminnow		<i>Fundulus chrysotus</i>	0	0	0	0	0	0	0
Pirate perches		Aphredoderidae								
	Pirate perch		<i>Aphredoderus sayanus</i>	0	0	0	0	3	1	1
Livebearers		Poeciliidae								
	Mosquito fish		<i>Gambusia sp.</i>	34	0	0	14	11	1	0
	Sailfin molly		<i>Peocilia latipinna</i>	26	0	0	15	0	0	0
Silversides		Atherinidae								
	Brook silverside		<i>Labidesthes sicculus</i>	0	0	0	0	1	0	0
Temperate basses		Moronidae								
	Striped bass		<i>Morone saxatilis</i>	0	0	0	0	0	0	0
	White bass		<i>Morone chrysops</i>	0	0	0	0	0	0	0
Sunfishes		Centrarchidae								
	Bluegill		<i>Lepomis macrochirus</i>	6	0	0	8	29	3	0
	Dollar sunfish		<i>Lepomis marginatus</i>	0	0	0	0	0	0	0
	Green sunfish		<i>Lepomis cyanellus</i>	10	0	0	5	1	1	2
	Longear sunfish		<i>Lepomis megalotis</i>	8	3	14	59	92	80	3
	Orangespotted sunfish		<i>Lepomis humilis</i>	0	0	0	0	0	0	203

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				GARN6180	GREN0034	GREN6000	GREN1377	LAKE0012	LAKE1367	LANG0003
Sunfishes—Continued		Centrarchidae—Continued								
	Pumpkinseed		<i>Lepomis gibbosus</i>	0	0	0	0	0	0	0
	Redbreast sunfish		<i>Lepomis auritus</i>	4	0	0	0	0	0	0
	Redear sunfish		<i>Lepomis microlophus</i>	0	0	0	0	0	3	0
	Spotted sunfish		<i>Lepomis punctatus</i>	0	0	0	0	1	0	0
	Warmouth		<i>Lepomis gulosus</i>	2	0	0	0	3	0	1
	Sunfish sp.		<i>Lepomis</i> sp.	0	0	0	0	0	0	0
	Guadalupe bass		<i>Micropterus treculi</i>	0	0	0	0	0	0	0
	Largemouth bass		<i>Micropterus salmoides</i>	0	0	2	10	6	9	5
	Spotted bass		<i>Micropterus punctulatus</i>	0	0	0	0	0	0	0
	Black crappie		<i>Pomoxis nigromaculatus</i>	0	0	0	0	0	0	0
	White crappie		<i>Pomoxis annularis</i>	0	0	0	0	0	0	0
Pygmy sunfishes		Elassomatidae								
	Banded pygmy sunfish		<i>Elassoma zonatum</i>	0	0	0	0	0	0	0
Perches		Percidae								
	Bigscale logperch		<i>Percina macrolepidia</i>	0	0	0	0	0	0	0
	Dusky darter		<i>Peocilia sciera</i>	0	0	0	0	3	17	0
	Bluntnose darter		<i>Etheostoma chlorosomum</i>	0	0	0	0	0	0	0
	Slough darter		<i>Etheostoma gracile</i>	0	0	0	0	0	0	0
	Scaly sand darter		<i>Ammocrypta vivax</i>	0	0	0	0	0	0	0
Mullets		Mugilidae								
	Striped mullet		<i>Mugil cephalus</i>	2	22	11	18	0	0	0
Drums		Sciaenidae								
	Freshwater drum		<i>Aplodinotus grunniens</i>	0	0	0	0	0	1	0
Cichlids		Cichlidae								
	Rio Grande cichlid		<i>Cichlasoma cyanoguttatum</i>	9	0	0	7	0	0	0
Flounders		Bothidae								
	Southern flounder		<i>Paralichthys lethostigma</i>	0	0	0	0	0	0	0
Total per site				184	99	182	403	219	264	291

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				LUCE1280	MILL0035	NAVA0041	NAVA0036	OYST0039	PANT0040	SANB0029
Lampreys		Petromyzontidae								
	Southern brook lamprey		<i>Ichthyomyzon gagei</i>	0	0	0	0	0	0	0
Bowfins		Amiidae								
	Bowfin		<i>Amia calva</i>	0	0	0	0	2	0	0
Gars		Lepisosteidae								
	Longnose gar		<i>Lepisosteus osseus</i>	0	0	0	0	0	1	0
	Shortnose gar		<i>Lepisosteus platostomus</i>	0	0	0	0	0	0	0
	Spotted gar		<i>Lepisosteus oculatus</i>	0	4	3	0	22	0	11
Herrings		Clupeidae								
	Gizzard shad		<i>Dorosoma cepedianum</i>	0	0	3	0	16	0	0
	Threadfin shad		<i>Dorosoma petenense</i>	0	0	3	0	0	0	0
Pikes		Esocidae								
	Grass pickerel		<i>Esox americanus vermiculatus</i>	1	0	0	0	0	0	0
Minnnows		Cyprinidae								
	Black spot shiner		<i>Notropis atrocaudalis</i>	0	0	0	0	0	0	0
	River shiner		<i>Notropis blennioides</i>	0	0	0	0	0	0	0
	Sand shiner		<i>Notropis stramineus</i>	0	0	0	0	0	1	0
	Texas shiner		<i>Notropis amabilis</i>	0	0	0	0	0	0	0
	Pallid shiner		<i>Notropis amnis</i>	0	0	0	0	0	0	1
	Bullhead minnow		<i>Pimephales vigilax</i>	0	10	9	2	13	0	0
	Fathead minnow		<i>Pimephales promelas</i>	0	0	0	0	0	0	0
	Pugnose minnow		<i>Opsopoeodus emiliae</i>	0	0	0	0	0	0	0
	Roundnose minnow		<i>Dionda episcopa</i>	0	0	0	0	0	0	0
	Blacktail shiner		<i>Cyprinella venusta</i>	6	7	0	0	65	14	0
	Red shiner		<i>Cyprinella lutrensis</i>	0	30	6	0	6	0	0
	Speckled chub		<i>Macrhybopsis aestivalis</i>	0	0	0	0	0	0	0
	Common carp		<i>Cyprinus carpio</i>	0	1	0	0	0	0	6
	Grass carp		<i>Ctenopharyngodon idella</i>	0	0	0	0	0	0	0
Suckers		Catastomidae								
	Blacktail redhorse		<i>Moxostoma poecilurum</i>	0	0	0	0	0	0	0
	Gray redhorse		<i>Moxostoma congestum</i>	0	0	0	0	0	0	0
	Spotted sucker		<i>Minytrema melanops</i>	0	0	0	0	0	0	0

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				LUCE1280	MILL0035	NAVA0041	NAVA0036	OYST0039	PANT0040	SANB0029
Suckers—Continued		Catastomidae—Continued								
	River carpsucker		<i>Carpiodes carpio</i>	0	2	6	0	2	0	10
	Smallmouth buffalo		<i>Ictiobus bubalus</i>	0	0	5	1	6	0	19
Catfish		Ictaluridae								
	Freckled madtom		<i>Noturus nocturnus</i>	0	0	0	0	0	0	0
	Tadpole madtom		<i>Noturus gyrinus</i>	1	0	0	0	2	1	0
	Black bullhead		<i>Ameiurus melas</i>	0	0	0	0	0	0	0
	Yellow bullhead		<i>Ameiurus natalis</i>	0	0	0	0	0	0	0
	Blue catfish		<i>Ictalurus furcatus</i>	0	0	2	0	0	0	0
	Channel catfish		<i>Ictalurus punctatus</i>	0	5	0	0	15	0	3
	Flathead catfish		<i>Pylodictis olivaris</i>	0	0	1	0	3	0	0
Killifishes		Cyprinodontidae								
	Blackspotted topminnow		<i>Fundulus olivaceus</i>	0	0	0	0	0	0	0
	Blackstripe topminnow		<i>Fundulus notatus</i>	1	0	0	3	0	2	0
	Golden topminnow		<i>Fundulus chrysotus</i>	0	0	0	0	0	0	0
Pirate perches		Aphredoderidae								
	Pirate perch		<i>Aphredoderus sayanus</i>	4	0	0	0	0	1	1
Livebearers		Poeciliidae								
	Mosquito fish		<i>Gambusia</i> sp.	8	1	0	0	2	0	0
	Sailfin molly		<i>Peocilia latipinna</i>	0	0	0	0	0	0	0
Silversides		Atherinidae								
	Brook silverside		<i>Labidesthes sicculus</i>	0	0	0	0	0	0	0
Temperate basses		Moronidae								
	Striped bass		<i>Morone saxatilis</i>	0	0	0	0	0	0	0
	White bass		<i>Morone chrysops</i>	0	0	0	0	2	0	0
Sunfishes		Centrarchidae								
	Bluegill		<i>Lepomis macrochirus</i>	1	1	9	0	6	4	48
	Dollar sunfish		<i>Lepomis marginatus</i>	0	0	0	0	0	0	0
	Green sunfish		<i>Lepomis cyanellus</i>	0	0	4	1	0	0	10
	Longear sunfish		<i>Lepomis megalotis</i>	9	18	21	0	40	11	36
	Orangespotted sunfish		<i>Lepomis humilis</i>	0	0	0	0	0	0	0

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				LUCE1280	MILL0035	NAVA0041	NAVA0036	OYST0039	PANT0040	SANB0029
Sunfishes—Continued		Centrarchidae—Continued								
	Pumpkinseed		<i>Lepomis gibbosus</i>	0	0	0	0	0	0	0
	Redbreast sunfish		<i>Lepomis auritus</i>	0	0	0	0	0	0	0
	Redear sunfish		<i>Lepomis microlophus</i>	0	0	0	0	0	0	0
	Spotted sunfish		<i>Lepomis punctatus</i>	0	0	0	0	0	1	0
	Warmouth		<i>Lepomis gulosus</i>	3	0	6	0	6	0	3
	Sunfish sp.		<i>Lepomis</i> sp.	0	0	0	0	0	0	0
	Guadalupe bass		<i>Micropterus treculi</i>	0	0	0	0	0	0	0
	Largemouth bass		<i>Micropterus salmoides</i>	0	2	1	0	2	1	7
	Spotted bass		<i>Micropterus punctulatus</i>	0	2	0	0	0	0	0
	Black crappie		<i>Pomoxis nigromaculatus</i>	0	0	0	0	0	0	0
	White crappie		<i>Pomoxis annularis</i>	0	0	1	0	0	0	1
Pygmy sunfishes		Elassomatidae								
	Banded pygmy sunfish		<i>Elassoma zonatum</i>	0	0	0	0	0	0	0
Perches		Percidae								
	Bigscale logperch		<i>Percina macrolepidia</i>	0	0	0	0	0	0	0
	Dusky darter		<i>Peocilia sciera</i>	0	0	0	0	0	1	0
	Bluntnose darter		<i>Etheostoma chlorosomum</i>	0	0	0	0	0	0	0
	Slough darter		<i>Etheostoma gracile</i>	0	0	0	0	0	0	0
	Scaly sand darter		<i>Ammocrypta vivax</i>	0	0	0	0	0	0	0
Mulletts		Mugilidae								
	Striped mullet		<i>Mugil cephalus</i>	0	0	0	0	56	0	0
Drums		Sciaenidae								
	Freshwater drum		<i>Aplodinotus grunniens</i>	0	0	0	0	0	0	0
Cichlids		Cichlidae								
	Rio Grande cichlid		<i>Cichlasoma cyanoguttatum</i>	0	0	0	0	0	0	0
Flounders		Bothidae								
	Southern flounder		<i>Paralichthys lethostigma</i>	0	0	0	0	0	0	0
Total per site				34	83	80	7	266	38	156

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—
Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				SANB0031	SPRB0022	SPRI0023	SPRI8500	SPRI0024	SPRI0027	WALN0026
Lampreys		Petromyzontidae								
	Southern brook lamprey		<i>Ichthyomyzon gagei</i>	0	0	0	0	0	0	0
Bowfins		Amiidae								
	Bowfin		<i>Amia calva</i>	0	0	0	0	0	0	0
Gars		Lepisosteidae								
	Longnose gar		<i>Lepisosteus osseus</i>	0	0	0	0	0	0	0
	Shortnose gar		<i>Lepisosteus platostomus</i>	0	0	2	0	0	0	0
	Spotted gar		<i>Lepisosteus oculatus</i>	11	0	0	1	0	0	0
Herrings		Clupeidae								
	Gizzard shad		<i>Dorosoma cepedianum</i>	33	0	2	0	0	0	0
	Threadfin shad		<i>Dorosoma petenense</i>	1	0	0	0	0	0	0
Pikes		Esocidae								
	Grass pickerel		<i>Esox americanus vermiculatus</i>	0	3	0	0	1	2	1
Minnnows		Cyprinidae								
	Black spot shiner		<i>Notropis atrocaudalis</i>	0	0	0	0	0	0	0
	River shiner		<i>Notropis blennioides</i>	0	0	0	0	0	0	0
	Sand shiner		<i>Notropis stramineus</i>	0	0	4	0	0	0	0
	Texas shiner		<i>Notropis amabilis</i>	0	0	0	0	0	0	0
	Pallid shiner		<i>Notropis amnis</i>	0	0	0	0	0	0	0
	Bullhead minnow		<i>Pimephales vigilax</i>	0	0	73	24	3	0	0
	Fathead minnow		<i>Pimephales promelas</i>	0	0	0	0	0	1	0
	Pugnose minnow		<i>Opsopoeodus emiliae</i>	0	0	0	0	0	0	0
	Roundnose minnow		<i>Dionda episcopa</i>	0	0	0	0	0	0	0
	Blacktail shiner		<i>Cyprinella venusta</i>	0	0	277	71	17	0	0
	Red shiner		<i>Cyprinella lutrensis</i>	0	0	71	6	0	1	2
	Speckled chub		<i>Macrhybopsis aestivalis</i>	0	0	0	0	0	1	0
	Common carp		<i>Cyprinus carpio</i>	0	0	0	3	0	0	0
	Grass carp		<i>Ctenopharyngodon idella</i>	0	0	0	1	0	0	0
Suckers		Catostomidae								
	Blacktail redhorse		<i>Moxostoma poecilurum</i>	0	0	0	0	0	0	2
	Gray redhorse		<i>Moxostoma congestum</i>	0	0	0	0	0	0	0
	Spotted sucker		<i>Minytrema melanops</i>	0	0	0	0	0	0	0

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				SANB0031	SPRB0022	SPRI0023	SPRI8500	SPRI0024	SPRI0027	WALN0026
Suckers—Continued		Catastomidae—Continued								
	River carpsucker		<i>Carpiodes carpio</i>	0	0	7	5	0	0	0
	Smallmouth buffalo		<i>Ictiobus bubalus</i>	5	0	0	0	0	0	0
Catfish		Ictaluridae								
	Freckled madtom		<i>Noturus nocturnus</i>	0	0	0	0	0	0	0
	Tadpole madtom		<i>Noturus gyrinus</i>	0	0	1	2	0	2	0
	Black bullhead		<i>Ameiurus melas</i>	0	0	0	0	0	0	0
	Yellow bullhead		<i>Ameiurus natalis</i>	0	2	0	0	0	1	0
	Blue catfish		<i>Ictalurus furcatus</i>	9	0	0	0	0	0	0
	Channel catfish		<i>Ictalurus punctatus</i>	8	0	17	2	0	0	6
	Flathead catfish		<i>Pylodictis olivaris</i>	2	0	1	0	0	0	0
Killifishes		Cyprinodontidae								
	Blackspotted topminnow		<i>Fundulus olivaceus</i>	0	0	0	0	0	0	0
	Blackstripe topminnow		<i>Fundulus notatus</i>	0	0	7	7	2	4	2
	Golden topminnow		<i>Fundulus chrysotus</i>	0	0	0	0	0	0	0
Pirate perches		Aphredoderidae								
	Pirate perch		<i>Aphredoderus sayanus</i>	2	21	0	2	3	16	12
Livebearers		Poeciliidae								
	Mosquito fish		<i>Gambusia</i> sp.	0	1	1	0	5	11	0
	Sailfin molly		<i>Peocilia latipinna</i>	0	0	0	0	0	0	0
Silversides		Atherinidae								
	Brook silverside		<i>Labidesthes sicculus</i>	0	0	0	0	0	0	0
Temperate basses		Moronidae								
	Striped bass		<i>Morone saxatilis</i>	0	0	1	0	0	0	0
	White bass		<i>Morone chrysops</i>	0	0	1	0	0	0	0
Sunfishes		Centrarchidae								
	Bluegill		<i>Lepomis macrochirus</i>	2	5	17	29	1	10	25
	Dollar sunfish		<i>Lepomis marginatus</i>	0	0	0	0	0	0	0
	Green sunfish		<i>Lepomis cyanellus</i>	0	1	2	0	0	0	2
	Longear sunfish		<i>Lepomis megalotis</i>	1	0	178	68	7	2	13
	Orangespotted sunfish		<i>Lepomis humilis</i>	0	0	5	2	1	1	6

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						
				SANB0031	SPRB0022	SPRI0023	SPRI8500	SPRI0024	SPRI0027	WALN0026
Sunfishes—Continued		Centrarchidae—Continued								
	Pumpkinseed		<i>Lepomis gibbosus</i>	0	0	0	0	0	0	0
	Redbreast sunfish		<i>Lepomis auritus</i>	0	0	0	0	0	0	0
	Redear sunfish		<i>Lepomis microlophus</i>	0	0	0	0	0	0	0
	Spotted sunfish		<i>Lepomis punctatus</i>	0	0	0	0	0	0	0
	Warmouth		<i>Lepomis gulosus</i>	1	6	0	0	2	0	10
	Sunfish sp.		<i>Lepomis</i> sp.	0	0	0	0	0	0	0
	Guadalupe bass		<i>Micropterus treculi</i>	0	0	0	0	0	0	0
	Largemouth bass		<i>Micropterus salmoides</i>	2	0	17	12	0	2	6
	Spotted bass		<i>Micropterus punctulatus</i>	0	0	0	0	0	0	0
	Black crappie		<i>Pomoxis nigromaculatus</i>	0	0	0	0	0	0	0
	White crappie		<i>Pomoxis annularis</i>	6	0	0	3	0	0	3
Pygmy sunfishes		Elassomatidae								
	Banded pygmy sunfish		<i>Elassoma zonatum</i>	0	0	0	0	0	0	0
Perches		Percidae								
	Bigscale logperch		<i>Percina macrolepida</i>	0	0	12	0	0	0	0
	Dusky darter		<i>Peocilia sciera</i>	0	0	0	0	2	2	1
	Bluntnose darter		<i>Etheostoma chlorosomum</i>	0	0	0	0	0	0	0
	Slough darter		<i>Etheostoma gracile</i>	0	0	0	0	0	0	0
	Scaly sand darter		<i>Ammocrypta vivax</i>	0	0	0	0	0	0	0
Mullets		Mugilidae								
	Striped mullet		<i>Mugil cephalus</i>	7	0	0	0	0	0	0
Drums		Sciaenidae								
	Freshwater drum		<i>Aplodinotus grunniens</i>	1	0	10	1	0	0	0
Cichlids		Cichlidae								
	Rio Grande cichlid		<i>Cichlasoma cyanoguttatum</i>	0	0	0	0	0	0	0
Flounders		Bothidae								
	Southern flounder		<i>Paralichthys lethostigma</i>	1	0	0	0	0	0	0
Total per site				92	39	706	239	44	56	91

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number						Total per species, all sites	
				WFSJ8090	WFSJ0010	WFSJ7650	WFSJ8000	WOAK1394	WOAK1397		WILL8325
	River carpsucker		<i>Carpiodes carpio</i>	18	0	0	2	0	0	0	245
	Smallmouth buffalo		<i>Ictiobus bubalus</i>	0	0	0	0	0	0	0	50
Catfish		Ictaluridae									
	Freckled madtom		<i>Noturus nocturnus</i>	1	0	0	0	0	0	0	3
	Tadpole madtom		<i>Noturus gyrinus</i>	1	6	8	0	0	2	2	48
	Black bullhead		<i>Ameiurus melas</i>	0	3	0	0	0	0	0	3
	Yellow bullhead		<i>Ameiurus natalis</i>	0	3	0	0	0	2	1	27
	Blue catfish		<i>Ictalurus furcatus</i>	0	0	0	0	0	0	0	36
	Channel catfish		<i>Ictalurus punctatus</i>	6	1	0	1	0	0	0	169
	Flathead catfish		<i>Pylodictis olivaris</i>	2	0	0	0	0	0	0	17
Killifishes		Cyprinodontidae									
	Blackspotted topminnow		<i>Fundulus olivaceus</i>	0	0	0	0	0	0	0	5
	Blackstripe topminnow		<i>Fundulus notatus</i>	0	1	39	1	0	0	0	247
	Golden topminnow		<i>Fundulus chrysotus</i>	0	0	0	0	0	0	0	2
Pirate perches		Aphredoderidae									
	Pirate perch		<i>Aphredoderus sayanus</i>	2	20	0	0	0	0	0	119
Livebearers		Poeciliidae									
	Mosquito fish		<i>Gambusia</i> sp.	5	2	2	0	9	35	37	435
	Sailfin molly		<i>Peocilia latipinna</i>	0	0	0	0	3	22	0	75
Silversides		Atherinidae									
	Brook silverside		<i>Labidesthes sicculus</i>	0	0	7	0	0	0	0	8
Temperate basses		Moronidae									
	Striped bass		<i>Morone saxatilis</i>	0	0	0	3	0	0	0	6
	White bass		<i>Morone chrysops</i>	0	0	0	0	0	0	0	4
Sunfishes		Centrarchidae									
	Bluegill		<i>Lepomis macrochirus</i>	10	26	30	13	0	6	3	891
	Dollar sunfish		<i>Lepomis marginatus</i>	0	0	0	0	0	0	0	23
	Green sunfish		<i>Lepomis cyanellus</i>	0	11	24	0	21	13	10	242
Sunfishes—Continued		Centrarchidae—Continued									
	Longear sunfish		<i>Lepomis megalotis</i>	78	36	4	38	2	62	3	2,134

Table 2. Taxonomic classification of fish and counts for individual fish taxa for sites in the Houston-Galveston Area Council service area—Continued

Group	Common name	Family	Scientific name	Houston-Galveston Area Council identification number							Total per species, all sites
				WFSJ8090	WFSJ0010	WFSJ7650	WFSJ8000	WOAK1394	WOAK1397	WILL8325	
	Orangespotted sunfish		<i>Lepomis humilis</i>	0	0	0	0	0	0	0	223
	Pumpkinseed		<i>Lepomis gibbosus</i>	0	0	0	0	0	0	0	4
	Redbreast sunfish		<i>Lepomis auritus</i>	0	0	0	0	0	0	0	45
	Redear sunfish		<i>Lepomis microlophus</i>	0	0	0	3	0	0	0	6
	Spotted sunfish		<i>Lepomis punctatus</i>	0	0	0	2	0	0	0	26
	Warmouth		<i>Lepomis gulosus</i>	1	5	0	0	1	0	0	161
	Sunfish sp.		<i>Lepomis</i> sp.	0	0	0	0	0	0	0	1
	Guadalupe bass		<i>Micropterus treculi</i>	0	0	0	0	0	0	0	5
	Largemouth bass		<i>Micropterus salmoides</i>	6	8	4	7	2	21	1	254
	Spotted bass		<i>Micropterus punctulatus</i>	0	0	0	0	0	0	0	3
	Black crappie		<i>Pomoxis nigromaculatus</i>	0	0	0	0	0	0	0	1
	White crappie		<i>Pomoxis annularis</i>	2	1	0	1	0	0	0	50
Pygmy sunfishes		Elassomatidae									
	Banded pygmy sunfish		<i>Elassoma zonatum</i>	0	0	0	0	0	0	0	3
Perches		Percidae									
	Bigscale logperch		<i>Percina macrolepida</i>	0	0	3	0	0	0	0	20
	Dusky darter		<i>Peocilia sciera</i>	11	4	0	0	0	0	1	86
	Bluntnose darter		<i>Etheostoma chlorosomum</i>	0	3	0	0	0	0	0	7
	Slough darter		<i>Etheostoma gracile</i>	0	1	0	0	0	0	0	4
	Scaly sand darter		<i>Ammocrypta vivax</i>	0	0	0	0	0	0	0	1
Mulletts		Mugilidae									
	Striped mullet		<i>Mugil cephalus</i>	0	0	0	0	0	0	0	136
Drums		Sciaenidae									
	Freshwater drum		<i>Aplodinotus grunniens</i>	3	0	0	1	0	0	0	41
Cichlids		Cichlidae									
	Rio Grande cichlid		<i>Cichlasoma cyanoguttatum</i>	0	0	0	0	0	8	0	24
Flounders		Bothidae									
	Southern flounder		<i>Paralichthys lethostigma</i>	0	0	0	0	0	0	0	2
Total per site				336	152	237	143	48	587	65	11,339

Table 3. Fish community data for sites in the Houston-Galveston Area Council service area

Site name	Houston-Galveston Area Council identification number							
	BIGC0015	BRAN0011	BRAZ0045	BRAZ1500	BUFF0005	BUFF4000	BUFF1352	BUFF3600
Number of species	20	13	10	7	13	15	16	9
Menhinick's richness index	1.5	1.8	1.2	.82	1.4	.59	.97	2.1
Shannon-Wiener diversity index (actual counts)	.99	.94	.64	.62	.85	.20	.47	.92
Shannon-Wiener diversity index (relative abundance)	.99	.94	.64	.62	.85	.20	.46	.92
Pielou's evenness (actual counts)	.76	.84	.67	.73	.76	.17	.39	.96
Pilou's evenness (relative abundance)	.76	.84	.67	.73	.76	.17	.38	.96
Number of darter species	3	0	0	0	0	0	0	0
Number of sunfish species	7	5	1	0	3	3	3	4
Number of sucker species	1	0	0	0	1	1	1	0
Number of intolerant species	3	1	0	0	1	1	1	1
Proportion of green sunfish	.02	.04	0	0	0	0	0	.11
Number of green sunfish	4	2	0	0	0	0	0	2
Proportion of omnivores	0	.15	.09	.75	.30	.96	.85	.11
Proportion of insectivores	.13	.11	.02	0	0	.002	.02	0
Proportion of piscivores	.03	.08	.84	.18	.23	.03	.05	.50
Total number of individuals	174	53	58	72	82	646	271	18
Proportion of hybrids	0	0	0	0	0	0	0	0
Proportion of external anomalies	0	0	.07	0	0	.002	.01	0
Degradation index	.02	.19	.16	.75	.30	.96	.86	.22
Percent degradation	2.3	19	16	75	30	96	86	22

Table 3. Fish community data for sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number							
	CANY0001	CANY0020	CANY0017	CEDR1942	CEDR7500	CHOC1234	CLER7000	COLO0044
Number of species	15	21	16	10	15	12	11	21
Menhinick's richness index	2.6	1.2	1.8	1.2	1.1	1.7	.78	.96
Shannon-Wiener diversity index (actual counts)	1.0	.92	1.0	.79	.88	.87	.84	.73
Shannon-Wiener diversity index (relative abundance)	1.0	.92	1.0	.79	.88	.87	.84	.73
Pielou's evenness (actual counts)	.89	.69	.86	.79	.75	.81	.80	.56
Pielou's evenness (relative abundance)	.89	.69	.86	.79	.75	.81	.80	.56
Number of darter species	0	1	1	0	1	1	0	1
Number of sunfish species	4	5	5	3	6	4	3	4
Number of sucker species	1	2	1	2	0	0	0	2
Number of intolerant species	1	1	2	1	1	1	1	2
Proportion of green sunfish	0	.003	.02	0	.01	.06	.14	.02
Number of green sunfish	0	1	2	0	2	3	27	8
Proportion of omnivores	.24	.09	.04	.24	.19	.22	.30	.38
Proportion of insectivores	.03	.18	.16	.18	.04	.22	.16	.08
Proportion of piscivores	.29	.06	.11	.05	.08	.10	.14	.06
Total number of individuals	34	327	82	74	203	50	198	479
Proportion of hybrids	0	0	0	0	0	0	0	0
Proportion of external anomalies	.09	0	.02	.04	0	0	0	0
Degradation index	.33	.10	.08	.28	.20	.28	.44	.40
Percent degradation	32	9.8	8.5	28	20	28	44	40

Table 3. Fish community data for sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number							
	COLO0043	CUMM0042	CYPR1324	CYPR8800	CYPR9000	CYPR1329	DICK0050	EFSJ0000
Number of species	18	22	15	20	16	20	5	11
Menhinick's richness index	1.6	1.1	.55	1.0	.80	.84	1.4	1.2
Shannon-Wiener diversity index (actual counts)	.95	.97	.76	.94	.85	.91	.66	.83
Shannon-Wiener diversity index (relative abundance)	.95	.97	.76	.94	.85	.91	.66	.83
Pielou's evenness (actual counts)	.76	.73	.64	.72	.71	.70	.84	.80
Pielou's evenness (relative abundance)	.76	.73	.64	.72	.71	.70	.84	.80
Number of darter species	0	1	0	1	0	0	0	0
Number of sunfish species	4	6	4	4	5	5	3	3
Number of sucker species	2	2	0	0	1	0	0	1
Number of intolerant species	1	2	2	1	2	2	1	1
Proportion of green sunfish	.01	.02	.003	.05	.02	.04	.33	0
Number of green sunfish	1	8	2	19	7	24	4	0
Proportion of omnivores	.62	.19	.37	.07	.39	.40	0	.19
Proportion of insectivores	.08	.21	.23	.08	.22	.11	0	.17
Proportion of piscivores	.19	.06	.05	.18	.08	.13	.58	.04
Total number of individuals	126	394	732	402	390	563	12	81
Proportion of hybrids	0	0	0	0	0	0	0	0
Proportion of external anomalies	.02	.002	0	.005	0	.01	0	.01
Degradation index	.65	.21	.37	.12	.41	.45	.33	.20
Percent degradation	65	21	38	12	41	45	33	20

Table 3. Fish community data for sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number							
	EFSJ0016	EFSJ0200	EFSJ1237	SAND0014	GARN6180	GREN0034	GREN6000	GREN1377
Number of species	11	19	11	16	14	7	7	14
Menhinick's richness index	1.4	.98	1.1	1.3	1.0	.70	.52	.70
Shannon-Wiener diversity index (actual counts)	.35	.78	.48	.87	.91	.50	.37	.79
Shannon-Wiener diversity index (relative abundance)	.89	.78	.48	.87	.91	.50	.37	.79
Pielou's evenness (actual counts)	.34	.61	.46	.72	.79	.59	.44	.69
Pielou's evenness (relative abundance)	.86	.61	.46	.72	.79	.59	.44	.69
Number of darter species	0	1	0	1	0	0	0	0
Number of sunfish species	4	5	4	5	5	1	1	3
Number of sucker species	0	1	1	1	0	0	0	0
Number of intolerant species	1	2	2	2	1	1	1	1
Proportion of green sunfish	.10	.003	0	.01	.05	0	0	.01
Number of green sunfish	6	1	0	1	10	0	0	5
Proportion of omnivores	.02	.16	.03	.13	.46	.33	.05	.34
Proportion of insectivores	.08	.20	.76	.10	.14	.62	.29	.38
Proportion of piscivores	.19	.03	.02	.05	.07	.02	.004	.06
Total number of individuals	59	376	99	143	184	99	182	403
Proportion of hybrids	0	0	0	0	0	0	0	0
Proportion of external anomalies	0	0	0	0	0	.01	.01	0
Degradation index	.12	.16	.03	.14	.51	.34	.06	.35
Percent degradation	12	16	3.0	14	52	34	5.7	35

Table 3. Fish community data for sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number							
	LAKE0012	LAKE1367	LANG0003	LUCE1280	MILL0035	NAVA0041	NAVA0036	OYST0039
Number of species	18	18	10	9	12	15	4	18
Menhinick's richness index	1.2	1.1	.59	1.5	1.3	1.7	1.5	1.1
Shannon-Wiener diversity index (actual counts)	.85	.79	.41	.82	.83	1.0	.55	.98
Shannon-Wiener diversity index (relative abundance)	.85	.79	.41	.82	.90	1.0	.55	.98
Pielou's evenness (actual counts)	.68	.63	.41	.86	.77	.88	.92	.78
Pielou's evenness (relative abundance)	.68	.63	.41	.86	.83	.88	.92	.78
Number of darter species	1	1	0	0	0	0	0	0
Number of sunfish species	5	4	3	3	2	4	1	3
Number of sucker species	1	1	0	0	1	2	1	2
Number of intolerant species	2	3	2	2	1	1	0	2
Proportion of green sunfish	.005	.004	.21	0	0	.05	.14	0
Number of green sunfish	1	1	60	0	0	4	1	0
Proportion of omnivores	.08	.33	.21	0	.22	.32	.43	.41
Proportion of insectivores	.19	.19	0	.18	.45	.08	0	.27
Proportion of piscivores	.05	.04	.08	.12	.10	.22	.14	.14
Total number of individuals	219	264	291	34	83	80	7	266
Proportion of hybrids	0	0	0	0	0	0	0	0
Proportion of external anomalies	0	0	0	.03	0	.09	0	0
Degradation index	.08	.33	.42	.03	.22	.46	.57	.41
Percent degradation	8.2	33	41	2.9	22	46	57	41

Table 3. Fish community data for sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number							
	PANT0040	SANB0029	SANB0031	SPRB0022	SPRI0023	SPRI8500	SPRI0024	SPRI0027
Number of species	11	13	16	7	21	17	11	14
Menhinick's richness index	1.8	1.0	1.7	1.1	.79	1.1	1.7	1.9
Shannon-Wiener diversity index (actual counts)	.78	.87	.94	.62	.80	.86	.85	.92
Shannon-Wiener diversity index (relative abundance)	.78	.87	.94	.62	.80	.86	.85	.92
Pielou's evenness (actual counts)	.75	.78	.78	.73	.60	.70	.81	.81
Pielou's evenness (relative abundance)	.75	.78	.78	.73	.60	.70	.81	.81
Number of darter species	1	0	0	0	1	0	1	1
Number of sunfish species	3	4	3	3	4	3	4	3
Number of sucker species	0	2	1	0	1	1	0	0
Number of intolerant species	2	1	1	0	2	2	1	2
Proportion of green sunfish	0	.06	0	.03	.003	0	0	0
Number of green sunfish	0	10	0	1	2	0	0	0
Proportion of omnivores	0	.24	.59	.05	.14	.14	.07	.04
Proportion of insectivores	.39	.01	0	0	.50	.32	.39	.04
Proportion of piscivores	.05	.21	.35	.26	.03	.07	.07	.07
Total number of individuals	38	156	92	39	706	239	44	56
Proportion of hybrids	0	0	0	0	0	0	0	0
Proportion of external anomalies	0	.32	.02	0	0	0	0	.04
Degradation index	0	.62	.61	.08	.14	.14	.07	.08
Percent degradation	0	63	61	7.7	14	14	6.8	7.1

Table 3. Fish community data for sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number							
	WALN0026	WFSJ8090	WFSJ0010	WFSJ7650	WFSJ8000	WOAK1394	WOAK1397	WILL8325
Number of species	14	19	19	14	18	8	12	11
Menhinick's richness index	1.5	1.0	1.5	.91	1.5	1.2	.50	1.4
Shannon-Wiener diversity index (actual counts)	.97	.95	1.1	.88	.94	.72	.61	.67
Shannon-Wiener diversity index (relative abundance)	.97	.95	1.1	.81	.94	.72	.61	.67
Pielou's evenness (actual counts)	.84	.74	.84	.77	.74	.80	.57	.64
Pielou's evenness (relative abundance)	.84	.74	.82	.71	.74	.80	.57	.64
Number of darter species	1	1	3	1	0	0	0	1
Number of sunfish species	5	3	4	3	4	3	3	3
Number of sucker species	1	1	0	1	1	0	0	0
Number of intolerant species	1	3	2	3	1	1	2	2
Proportion of green sunfish	.02	0	.03	.10	0	.44	.02	.15
Number of green sunfish	2	0	4	24	0	21	13	10
Proportion of omnivores	.07	.46	.07	0	.22	.19	.65	.08
Proportion of insectivores	.02	.16	.12	.48	.27	.08	.10	.05
Proportion of piscivores	.24	.05	.16	.12	.10	.50	.06	.17
Total number of individuals	91	336	152	237	143	48	587	65
Proportion of hybrids	0	0	0	0	0	0	0	0
Proportion of external anomalies	0	.003	.01	0	.03	.06	.002	.02
Degradation index	.09	.46	.11	.10	.25	.69	.67	.25
Percent degradation	8.8	46	10	10	25	69	68	25

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area

[Number of individuals per taxon shown for each site. Two samples for same site indicate split samples.]

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BIGC0015	BRAN0011	BUFF0005	BUFF4000
Fraction sorted						1	0.7	1	1
Nematoda (phylum)						0	0	0	0
Turbellaria						0	0	0	0
Acari						1	0	2	0
Crustacea									
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	0	1	0	0
		Talitridae			<i>Hyaella azteca</i>	0	0	1	0
	Decapoda	Cambaridae				1	0	0	0
		Palaemonidae			<i>Palaemonetes</i> sp.	1	1	0	0
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	0	0
					<i>Lirceus</i> sp.	0	0	0	0
Bivalvia									
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	1	0	14	0
		Sphaeriidae				1	0	14	0
Gastropoda									
	Mesogastropoda	Hydrobiidae				0	0	0	0
					<i>Amnicola</i> sp.	0	0	0	0
		Valvatidae			<i>Valvata</i> sp.	0	0	0	0
	Limnophila	Ancylidae			<i>Ferrissia</i> sp.	0	0	7	0
		Lymnaeidae				0	0	0	0
		Physidae				0	0	0	0
		Planorbidae				0	0	0	0
Hirudinea									
	Pharyngobdellida	Erpobdellidae				0	0	0	0
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	0	0	4	0
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	0
Oligochaeta									
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	2	0	0	0
					<i>Branchiura sowerbyi</i>	1	0	0	0
					<i>Limnodrilus cervix</i>	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	0	0	0	0
					<i>Limnodrilus profundicola</i>	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BIGC0015	BRAN0011	BUFF0005	BUFF4000
Oligochaeta—Continued									
					<i>Limnodrilus</i> sp.	0	0	0	0
		Tubificidae				0	0	0	0
						0	1	0	2
		Lumbriculidae				3	0	0	0
					<i>Lumbricina</i>	1	0	0	2
		Naididae			<i>Bratislavia unidentata</i>	0	0	0	3
					<i>Dero digitata</i>	0	0	0	0
					<i>Dero furcata</i>	0	0	0	0
					<i>Dero</i> sp.	0	0	0	0
					<i>Haemonais waldvogeli</i>	0	0	0	0
					<i>Nais communis</i>	0	0	0	0
					<i>Nais pardalis</i>	0	0	0	3
					<i>Nais</i> sp.	0	0	0	0
					<i>Pristina</i> sp.	0	0	0	0
					<i>Stephensoniana</i> sp.	0	0	0	0
		Enchytraeidae				0	0	0	0
Insecta									
	Ephemeroptera	Baetidae				0	0	0	1
					<i>Acerpenna pygmaea</i>	0	6	0	0
					<i>Baetis armillatus</i>	0	0	0	0
					<i>Baetis flavistriga</i>	0	0	0	0
					<i>Baetis intercalaris</i>	16	16	0	0
					<i>Baetis</i> sp.	0	0	0	0
					<i>Callibaetis ferrugineus</i>	0	0	0	0
					<i>Centroptilum</i> sp.	0	10	0	0
					<i>Fallceon quilleri</i>	0	7	109	0
					<i>Labiobaetis epphipiatus</i>	0	0	0	0
					<i>Labiobaetis longipalpus</i>	0	0	0	0
					<i>Labiobaetis propinquus</i>	3	0	0	0
					<i>Labiobaetis</i> sp.	0	3	49	0
					<i>Paracloeodes minutus</i>	0	0	0	0
					<i>Procloeon</i> sp.	0	0	0	0
		Caenidae			<i>Brachycercus flavus</i>	0	6	0	0
					<i>Caenis hilaris</i>	1	1	0	0
					<i>Caenis latipennis</i>	0	0	48	0
					<i>Caenis</i> sp.	0	9	0	0
		Tricorythidae			<i>Leptohyphes dolani</i>	0	0	0	0
		Ephemeridae			<i>Hexagenia</i> sp.	1	0	0	0
					<i>Pentagenia</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BIGC0015	BRAN0011	BUFF0005	BUFF4000
Insecta—Continued									
		Heptageniidae				0	0	0	0
					<i>Leucrocuta</i> sp.	0	0	0	0
					<i>Stenacron</i> sp.	0	108	3	0
					<i>Stenonema exiguum</i>	3	17	0	0
					<i>Stenonema</i> sp.	18	71	0	0
		Leptophlebiidae				1	0	0	0
					<i>Choroterpes</i> sp.	0	0	0	0
					<i>Paraleptophlebia</i> sp.	0	6	0	0
		Isonychiidae			<i>Isonychia sicca</i>	2	0	0	0
		Tricorythidae			<i>Tricorythodes</i> sp.	1	0	13	0
	Odonata	Coenagrionidae				0	0	0	0
					<i>Argia</i> sp.	3	1	7	0
		Calopterygidae			<i>Hetaerina</i> sp.	1	0	0	0
		Corduliidae				0	3	0	0
					<i>Macromia</i> sp.	0	0	0	0
		Gomphidae				1	0	0	0
					<i>Hagenius brevistylus</i>	0	0	0	0
					<i>Progomphus</i> sp.	0	0	0	0
		Aeshnidae			<i>Boyeria</i> sp.	4	0	0	0
		Zygoptera			<i>Calopteryx</i> sp.	0	0	0	0
		Libellulidae				0	0	0	0
	Plecoptera	Leuctridae				2	0	0	0
		Perlidae				1	0	0	0
					<i>Acroneuria</i> sp.	0	0	0	0
					<i>Neoperla</i> sp.	0	0	0	0
					<i>Perlesta</i> sp.	0	0	0	0
	Hemiptera	Corixidae				0	6	0	0
		Gerridae				0	3	0	0
		Veliidae				0	0	0	0
					<i>Rhagovelia</i> sp.	2	0	0	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	0	0
					<i>Rheumatobates</i> sp.	0	0	0	0
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	0	0	0
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	1	0	0	0
					<i>Corydalus</i> sp.	3	1	0	0
	Trichoptera	Hydropsychidae				11	0	0	0
					<i>Cheumatopsyche</i> sp.	14	1	45	0
					<i>Hydropsyche bidens</i>	0	0	0	0
					<i>Hydropsyche simulans</i>	0	0	0	0
					<i>Hydropsyche</i> sp.	23	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BIGC0015	BRAN0011	BUFF0005	BUFF4000
Insecta—Continued									
					<i>Hydropysche orris</i>	0	0	0	0
			Hydroptilidae			0	0	0	0
					<i>Hydroptila</i> sp.	0	0	3	0
					<i>Mayatrichia</i> sp.	0	0	0	0
					<i>Ochrotrichia</i> sp.	0	0	0	0
			Leptoceridae			0	1	0	0
					<i>Ceraclea</i> sp.	0	0	0	0
					<i>Nectopsyche candida</i>	0	0	0	0
					<i>Oectis avara</i>	0	0	0	0
					<i>Oectis</i> sp.	0	0	0	0
					<i>Triaenodes</i> sp.	0	0	0	0
			Polycentropodidae			0	0	0	0
					<i>Cyrnellus fraternus</i>	0	0	0	0
					<i>Nyctiophylax moestus</i>	1	24	0	0
					<i>Polycentropus</i> sp.	0	0	0	0
			Philopotamidae		<i>Chimarra</i> sp.	9	0	0	0
			Psychomyiidae		<i>Lype diversa</i>	4	0	0	0
	Lepidoptera					2	1	0	0
			Pyrilidae			0	0	0	0
					<i>Estigmene</i> sp.	0	0	0	0
					<i>Petrophila</i> sp.	0	0	0	0
	Coleoptera		Dytiscidae			0	4	0	0
					<i>Hydaticus</i> sp.	0	0	0	0
			Hydrophilidae			0	1	0	0
					<i>Berosus</i> sp.	0	0	0	0
					<i>Laccobius</i> sp.	0	0	0	0
					<i>Sperchopsis</i> sp.	3	0	0	0
			Elmidae			2	1	0	0
					<i>Ancyronyx variagata</i>	2	1	0	0
					<i>Dubiraphia</i> sp.	0	0	0	0
					<i>Heterelmis</i> sp.	0	0	0	0
					<i>Heterlimnius</i> sp.	0	1	0	0
					<i>Macronychus glabratus</i>	10	0	0	0
					<i>Microcylloepus</i> sp.	0	3	0	0
					<i>Stenelmis</i> sp.	49	0	108	0
			Scirtidae		<i>Cyphon</i> sp.	0	119	0	0
			Gyrinidae			1	4	0	0
					<i>Dineutus</i> sp.	1	4	0	0
					<i>Gyretes</i> sp.	0	0	0	0
					<i>Gyrinus</i> sp.	0	0	0	0
			Dryopidae		<i>Helichus</i> sp.	5	14	0	0
			Hydraenidae		<i>Hydraena</i> sp.	0	1	0	0
			Haliplidae		<i>Peltodytes</i> sp.	0	0	0	0
	Diptera		Athericidae		<i>Atherix</i> sp.	3	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BIGC0015	BRAN0011	BUFF0005	BUFF4000
Insecta—Continued									
		Ceratopogonidae			<i>Atrichopogon</i> sp.	0	6	0	0
					<i>Ceratopogoninae</i>	0	0	0	0
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0	0
		Empididae			<i>Hemerodromia</i> sp.	2	0	1	0
		Psychodidae			<i>Pericoma</i> sp.	0	0	0	0
		Sciaridae				0	0	0	0
		Simuliidae			<i>Simulium</i> sp.	6	0	0	0
		Stratiomyiidae			<i>Odontomyia</i> / <i>Hedriodiscus</i> sp.	0	0	0	1
		Tipulidae				0	0	0	0
					<i>Limonia</i> sp.	0	0	0	1
					<i>Ormosia</i> sp.	0	1	0	0
					<i>Tipula</i> sp.	0	0	0	0
		Chironomidae				0	0	0	0
			Tanypodinae	Procladiiini	<i>Procladius</i> sp.	1	0	0	0
				Natarsiini	<i>Natarsia</i> sp.	1	0	0	0
				Pentaneurini		0	3	0	0
					<i>Ablabesmyia</i> sp.	6	28	24	14
					<i>Labrundinia</i> sp.	0	0	0	0
					<i>Larsia</i> sp.	0	0	0	0
					<i>Nilotanytus fimbriatus</i>	0	0	0	0
					<i>Pentaneura</i> sp.	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	8	21	30	11
					<i>Zavrelimyia</i> sp.	1	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0	0
		Orthocladiinae				0	0	3	0
				Orthocladiiini	<i>Cricotopus bicinctus</i> gr.	0	0	0	0
					<i>Cricotopus</i> sp.	0	0	0	8
					<i>Lopescladius</i> sp.	0	0	0	0
					<i>Nanocladius</i> sp.	2	0	0	14
					<i>Orthocladius annectens</i>	0	0	0	0
					<i>Orthocladius complex</i>	0	0	0	0
					<i>Parametricnemus</i> sp.	14	0	0	0
					<i>Pseudosmittia</i> sp.	0	0	0	0
					<i>Rheocricotopus</i> sp.	6	9	0	0
					<i>Tvetenia vitracies</i> gr.	0	3	0	0
					<i>Xylotopus par</i>	5	0	0	0
				Corynoneurini	<i>Thienemanniella</i> sp.	0	3	0	0
		Chironominae		Chironomini		0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BIGC0015	BRAN0011	BUFF0005	BUFF4000
Insecta—Continued									
					<i>Chironomus</i> sp.	0	0	0	3
					<i>Cryptochironomus</i> sp.	0	3	0	3
					<i>Dicrotendipes</i> sp.	0	34	36	150
					<i>Endochironomus nigricans</i>	0	0	0	0
					<i>Endochironomus subtendens</i>	0	0	0	0
					<i>Goeldichironomus</i> sp.	0	0	0	0
					<i>Glyptotendipes</i> sp.	0	0	0	3
					<i>Kiefferulus</i> sp.	0	0	0	0
					<i>Microtendipes</i>	9	41	0	0
					<i>rydalensis</i> gr.				
					<i>Nilothauma</i> sp.	0	3	0	0
					<i>Parachironomus</i>	0	0	0	13
					<i>frequens</i> gr.				
					<i>Paracladopelma</i> sp.	0	3	0	0
					<i>Paralauterborniella</i>	0	0	0	0
					<i>nigrohalteris</i>				
					<i>Paratendipes</i> sp.	0	3	0	0
					<i>Polypedilum</i> sp.	11	80	24	5
					<i>Robackia claviger</i>	0	0	0	0
					<i>Robackia demeijerei</i>	0	0	0	0
					<i>Saetheria</i> sp.	0	3	0	0
					<i>Stelechomyia perpulchra</i>	0	0	0	0
					<i>Stenochironomus</i> sp.	0	3	15	14
					<i>Stictochironomus</i> sp.	1	3	0	0
					<i>Tribelos</i> sp.	2	0	0	8
					<i>Xenochironomus xenolabis</i>	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	0	0	0	3
				Tanytarsini		0	0	0	0
					<i>Cladotanytarsus</i> sp.	0	3	0	0
					<i>Micropsectra</i> sp.	0	0	3	0
					<i>Paratanytarsus</i> sp.	0	0	0	0
					<i>Rheotanytarsus</i> sp.	39	13	163	0
					<i>Stempellinella</i> sp.	0	0	0	0
					<i>Tanytarsus</i> sp.	6	7	0	19
	Coleoptera					0	13	0	0
		Staphylinidae				0	0	0	0
		Elateridae				0	0	0	0
	Collembola					0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number				
						BUFF3600	CANY0020	CANY0017	CEDR7500	
Fraction sorted						0.8	0.9	1	1	
Nematoda (phylum)						0	0	0	0	
Turbellaria						0	2	0	0	
Acari						0	0	0	0	
Crustacea										
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	0	0	0	0	
			Talitridae			<i>Hyalella azteca</i>	0	0	2	0
	Decapoda	Cambaridae				0	0	0	0	
			Palaemonidae			<i>Palaemonetes</i> sp.	0	0	0	0
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	0	0	
						<i>Lirceus</i> sp.	0	0	0	0
Bivalvia										
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	0	2	27	0	
			Sphaeriidae				0	0	0	0
Gastropoda										
	Mesogastropoda	Hydrobiidae				0	0	0	0	
						<i>Ammicola</i> sp.	0	0	0	0
	Limnophila	Valvatidae			<i>Valvata</i> sp.	0	0	0	0	
		Ancylidae			<i>Ferrissia</i> sp.	0	0	0	0	
		Lymnaeidae				0	0	0	0	
		Physidae				0	0	0	0	
		Planorbidae				0	0	0	0	
Hirudinea										
	Pharyngobdellida	Erpobdellidae				0	0	0	0	
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	0	0	0	0	
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	0	
Oligochaeta										
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	0	0	0	0	
						<i>Branchiura sowerbyi</i>	0	0	0	0
						<i>Limnodrilus cervix</i>	0	0	0	0
						<i>Limnodrilus hoffmeisteri</i>	0	0	3	0
						<i>Limnodrilus profundicola</i>	0	0	0	0
						<i>Limnodrilus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BUFF3600	CANY0020	CANY0017	CEDR7500
Oligochaeta—Continued									
		Tubificidae w/ setae				0	0	0	0
		Tubificidae w/o setae				5	0	0	0
		Lumbriculidae				0	0	0	0
					<i>Lumbricina</i>	1	0	2	1
		Naididae			<i>Bratislavia unidentata</i>	0	0	0	0
					<i>Dero digitata</i>	0	0	0	0
					<i>Dero furcata</i>	0	0	0	0
					<i>Dero</i> sp.	1	0	0	0
					<i>Haemonais waldvogeli</i>	0	0	0	0
					<i>Nais communis</i>	0	0	0	0
					<i>Nais pardalis</i>	0	0	0	0
					<i>Nais</i> sp.	0	0	1	0
					<i>Pristina</i> sp.	0	0	0	0
					<i>Stephensoniana</i> sp.	0	0	0	0
		Enchytraeidae				0	0	0	0
Insecta									
	Ephemeroptera	Baetidae				0	0	0	0
					<i>Acerpenna pygmaea</i>	0	0	9	0
					<i>Baetis armillatus</i>	0	0	0	0
					<i>Baetis flavistriga</i>	0	0	0	0
					<i>Baetis intercalaris</i>	0	17	2	0
					<i>Baetis</i> sp.	0	4	0	0
					<i>Callibaetis ferrugineus</i>	0	0	0	0
					<i>Centroptilum</i> sp.	0	1	0	0
					<i>Fallceon quilleri</i>	14	0	1	13
					<i>Labiobaetis epphiatus</i>	0	8	0	0
					<i>Labiobaetis longipalpus</i>	0	0	3	0
					<i>Labiobaetis propinquus</i>	0	0	0	0
					<i>Labiobaetis</i> sp.	0	0	0	0
					<i>Paracloeodes minutus</i>	0	0	1	0
					<i>Procloeon</i> sp.	0	9	8	0
		Caenidae			<i>Brachycercus flavus</i>	0	0	0	0
					<i>Caenis hilaris</i>	0	2	2	0
					<i>Caenis latipennis</i>	31	1	2	0
					<i>Caenis</i> sp.	0	0	0	0
		Tricorythidae			<i>Leptohyphes dolani</i>	0	14	0	0
		Ephemeridae			<i>Hexagenia</i> sp.	0	0	0	0
					<i>Pentagenia</i> sp.	0	0	0	0
		Heptageniidae				0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BUFF3600	CANY0020	CANY0017	CEDR7500
Insecta—Continued									
					<i>Leucrocuta</i> sp.	0	0	0	0
					<i>Stenacron</i> sp.	2	1	8	1
					<i>Stenonema exiguum</i>	0	3	0	0
					<i>Stenonema</i> sp.	0	12	8	0
		Leptophlebiidae				0	0	0	2
					<i>Choroerpes</i> sp.	0	0	0	0
					<i>Paraleptophlebia</i> sp.	0	0	0	0
		Isonychiidae			<i>Isonychia sicca</i>	0	22	0	0
		Tricorythidae			<i>Tricorythodes</i> sp.	1	23	8	21
	Odonata	Coenagrionidae				0	0	0	0
					<i>Argia</i> sp.	8	0	0	1
		Calopterygidae			<i>Hetaerina</i> sp.	0	0	0	2
		Corduliidae				0	0	0	0
					<i>Macromia</i> sp.	0	0	0	0
		Gomphidae				0	0	0	0
					<i>Hagenius brevistylus</i>	0	0	0	0
					<i>Progomphus</i> sp.	0	0	0	0
		Aeshnidae			<i>Boyeria</i> sp.	0	0	1	0
		Zygoptera			<i>Calopteryx</i> sp.	0	0	0	0
		Libellulidae				0	0	0	0
	Plecoptera	Leuctridae				0	0	0	0
		Perlidae				0	1	0	0
					<i>Acroneuria</i> sp.	0	0	0	0
					<i>Neoperla</i> sp.	0	0	0	0
					<i>Perlesta</i> sp.	0	0	0	0
	Hemiptera	Corixidae				0	0	0	0
		Gerridae				0	0	0	0
		Veliidae				0	0	0	0
					<i>Rhagovelia</i> sp.	0	1	0	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	0	0
					<i>Rheumatobates</i> sp.	0	0	0	0
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	0	0	0
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	0	0	0	0
					<i>Corydalus</i> sp.	0	8	0	1
	Trichoptera	Hydropsychidae				0	0	0	0
					<i>Cheumatopsyche</i> sp.	2	8	49	12
					<i>Hydropsyche bidens</i>	0	0	0	0
					<i>Hydropsyche simulans</i>	1	152	0	0
					<i>Hydropsyche</i> sp.	0	3	1	0
					<i>Hydropsyche orris</i>	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BUFF3600	CANY0020	CANY0017	CEDR7500
Insecta—Continued									
		Hydroptilidae				0	0	1	0
					<i>Hydroptila</i> sp.	0	2	0	2
					<i>Mayatrichia</i> sp.	0	2	0	0
					<i>Ochrotrichia</i> sp.	0	0	0	0
		Leptoceridae				0	0	0	0
					<i>Ceraclea</i> sp.	0	0	0	0
					<i>Nectopsyche candida</i>	0	0	0	0
					<i>Oectis avara</i>	0	1	0	0
					<i>Oectis</i> sp.	0	0	0	0
					<i>Triaenodes</i> sp.	0	0	0	0
		Polycentropodidae			<i>Cyrnellus fraternus</i>	0	0	0	0
					<i>Nyctiophylax moestus</i>	0	14	15	0
					<i>Polycentropus</i> sp.	0	0	0	0
		Philopotamidae			<i>Chimarra</i> sp.	0	1	0	2
		Psychomyiidae			<i>Lype diversa</i>	0	0	0	0
	Lepidoptera					0	0	0	0
		Pyralidae				0	0	0	0
					<i>Estigmene</i> sp.	0	0	0	0
					<i>Petrophila</i> sp.	0	0	0	0
	Coleoptera	Dytiscidae				0	0	1	0
					<i>Hydaticus</i> sp.	0	0	0	0
		Hydrophilidae				0	0	1	0
					<i>Berosus</i> sp.	0	0	0	0
					<i>Laccobius</i> sp.	0	0	0	0
					<i>Sperchopsis</i> sp.	0	0	0	0
		Elmidae			<i>Ancyronyx variagata</i>	0	12	82	0
					<i>Dubiraphia</i> sp.	0	0	0	0
					<i>Heterelmis</i> sp.	0	1	0	0
					<i>Heterlimnius</i> sp.	0	0	0	0
					<i>Macronychus glabratus</i>	0	31	0	0
					<i>Microcylloepus</i> sp.	0	0	3	1
					<i>Stenelmis</i> sp.	0	37	2	5
		Scirtidae			<i>Cyphon</i> sp.	0	0	2	0
		Gyrinidae			<i>Dineutus</i> sp.	0	0	0	0
					<i>Gyretes</i> sp.	0	8	0	0
					<i>Gyrinus</i> sp.	0	0	0	0
		Dryopidae			<i>Helichus</i> sp.	0	2	8	0
		Hydraenidae			<i>Hydraena</i> sp.	0	0	0	0
		Haliplidae			<i>Peltodytes</i> sp.	0	0	1	0
	Diptera	Athericidae			<i>Atherix</i> sp.	0	0	0	0
		Ceratopogonidae			<i>Atrichopogon</i> sp.	0	10	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BUFF3600	CANY0020	CANY0017	CEDR7500
Insecta—Continued									
					<i>Ceratopogoninae</i>	0	0	3	0
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0	0
		Empididae				0	0	0	0
					<i>Hemerodromia</i> sp.	1	1	2	0
		Psychodidae			<i>Pericoma</i> sp.	0	0	1	0
		Sciaridae				0	0	1	0
		Simuliidae			<i>Simulium</i> sp.	0	0	1	0
		Stratiomyiidae			<i>Odontomyia</i> / <i>Hedriodiscus</i> sp.	0	0	0	0
		Tipulidae				0	0	0	0
					<i>Limonia</i> sp.	0	0	1	0
					<i>Ormosia</i> sp.	0	0	1	0
					<i>Tipula</i> sp.	0	0	1	0
		Chironomidae				0	0	0	0
			Tanypodinae	Procladiini		0	0	0	0
					<i>Procladius</i> sp.	0	0	0	0
				Natarsiini	<i>Natarsia</i> sp.	0	0	0	0
				Pentaneurini		0	0	0	0
					<i>Ablabesmyia</i> sp.	5	0	1	1
					<i>Labrundinia</i> sp.	0	0	0	0
					<i>Larsia</i> sp.	0	0	0	0
					<i>Nilotanypus fimbriatus</i>	0	0	0	0
					<i>Pentaneura</i> sp.	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	28	8	22	2
					<i>Zavrelimyia</i> sp.	0	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0	0
		Orthocladiinae				0	0	0	0
				Orthocladiini	<i>Cricotopus bicinctus</i> gr.	0	16	0	0
					<i>Cricotopus</i> sp.	72	7	0	0
					<i>Lopescladius</i> sp.	0	0	1	0
					<i>Nanocladius</i> sp.	0	2	0	0
					<i>Orthocladius annectens</i>	0	0	0	0
					<i>Orthocladius complex</i>	0	0	0	0
					<i>Parametriocnemus</i> sp.	0	1	0	0
					<i>Pseudosmittia</i> sp.	0	0	9	0
					<i>Rheocricotopus</i> sp.	0	2	3	0
					<i>Tvetenia vitracies</i> gr.	0	0	0	0
					<i>Xylotopus par</i>	0	0	0	0
				Corynoneurini	<i>Thienemanniella</i> sp.	0	0	0	0
		Chironominae		Chironomini		0	0	6	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						BUFF3600	CANY0020	CANY0017	CEDR7500
Insecta—Continued									
					<i>Chironomus</i> sp.	0	0	0	0
					<i>Cryptochironomus</i> sp.	0	0	0	0
					<i>Dicrotendipes</i> sp.	129	3	13	2
					<i>Endochironomus nigricans</i>	0	0	0	0
					<i>Endochironomus subtendens</i>	0	0	0	0
					<i>Goeldichironomus</i> sp.	0	0	0	0
					<i>Glyptotendipes</i> sp.	0	0	1	0
					<i>Kiefferulus</i> sp.	0	0	0	0
					<i>Microtendipes rydalensis</i> gr.	0	0	0	0
					<i>Nilothauma</i> sp.	0	0	0	0
					<i>Parachironomus frequens</i> gr.	0	0	0	0
					<i>Paracladopelma</i> sp.	0	0	0	0
					<i>Paralauterborniella nigrohalteris</i>	0	2	0	0
					<i>Paratendipes</i> sp.	0	0	0	0
					<i>Polypedilum</i> sp.	95	10	44	15
					<i>Robackia claviger</i>	0	0	0	0
					<i>Robackia demeijerei</i>	0	0	0	0
					<i>Saetheria</i> sp.	0	0	0	0
					<i>Stelechomyia perpulchra</i>	0	2	0	0
					<i>Stenochironomus</i> sp.	39	2	28	1
					<i>Stictochironomus</i> sp.	0	0	0	0
					<i>Tribelos</i> sp.	11	14	1	5
					<i>Xenochironomus xenolabis</i>	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	0	2	0	0
				Tanytarsini		0	0	0	0
					<i>Cladotanytarsus</i> sp.	0	0	0	0
					<i>Micropsectra</i> sp.	0	0	0	0
					<i>Paratanytarsus</i> sp.	0	0	0	0
					<i>Rheotanytarsus</i> sp.	174	17	1	0
					<i>Stempellinella</i> sp.	0	0	0	0
					<i>Tanytarsus</i> sp.	5	36	29	0
	Coleoptera					0	0	0	0
		Staphylinidae				0	0	0	1
		Elateridae				0	0	0	1
	Collembola					0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number				
						CHOC1234	CHOC1234	CLER7000	CYPR1324	
Fraction sorted						1	1	1	0.9	
Nematoda (phylum)						0	0	0	2	
Turbellaria						0	0	0	0	
Acari						0	0	0	0	
Crustacea										
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	0	0	0	0	
			Talitridae			<i>Hyalella azteca</i>	1	0	0	0
	Decapoda	Cambaridae				0	0	0	0	
			Palaemonidae			<i>Palaemonetes</i> sp.	1	1	0	0
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	0	0	
						<i>Lirceus</i> sp.	0	0	0	0
Bivalvia										
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	1	0	0	0	
			Sphaeriidae				0	0	0	0
Gastropoda										
	Mesogastropoda	Hydrobiidae				0	0	2	0	
						<i>Amnicola</i> sp.	0	3	0	0
	Limnophila	Valvatidae			<i>Valvata</i> sp.	0	0	0	0	
		Ancylidae			<i>Ferrissia</i> sp.	0	0	0	0	
		Lymnaeidae				0	0	0	0	
		Physidae				0	0	6	0	
		Planorbidae				0	0	0	0	
Hirudinea										
	Pharyngobdellida	Erpobdellidae				0	0	0	0	
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	0	1	0	0	
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	0	
Oligochaeta										
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	0	0	0	0	
						<i>Branchiura sowerbyi</i>	0	0	0	0
						<i>Limnodrilus cervix</i>	0	0	0	0
						<i>Limnodrilus hoffmeisteri</i>	0	0	0	0
						<i>Limnodrilus profundicola</i>	0	0	0	0
						<i>Limnodrilus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						CHOC1234	CHOC1234	CLER7000	CYPR1324
Oligochaeta—Continued									
		Tubificidae w/ setae				0	0	0	0
		Tubificidae w/o setae				0	0	0	0
		Lumbriculidae				0	0	0	0
					<i>Lumbricina</i>	0	0	0	0
		Naididae			<i>Bratislavia unidentata</i>	0	2	0	0
					<i>Dero digitata</i>	0	0	0	0
					<i>Dero furcata</i>	0	0	3	0
					<i>Dero</i> sp.	0	0	0	0
					<i>Haemonais waldvogeli</i>	0	0	0	0
					<i>Nais communis</i>	0	0	0	0
					<i>Nais pardalis</i>	0	16	0	0
					<i>Nais</i> sp.	0	0	0	0
					<i>Pristina</i> sp.	0	0	0	0
					<i>Stephensoniana</i> sp.	0	0	1	0
		Enchytraeidae				0	0	0	0
Insecta									
	Ephemeroptera	Baetidae				2	0	0	0
					<i>Acerpenna pygmaea</i>	0	0	0	0
					<i>Baetis armillatus</i>	0	0	0	0
					<i>Baetis flavistriga</i>	0	0	0	0
					<i>Baetis intercalaris</i>	0	0	0	1
					<i>Baetis</i> sp.	0	0	0	0
					<i>Callibaetis ferrugineus</i>	0	0	0	0
					<i>Centroptilum</i> sp.	0	0	0	0
					<i>Fallceon quilleri</i>	0	37	0	316
					<i>Labiobaetis epphiatus</i>	0	0	0	0
					<i>Labiobaetis longipalpus</i>	0	0	0	0
					<i>Labiobaetis propinquus</i>	0	0	2	0
					<i>Labiobaetis</i> sp.	1	0	0	0
					<i>Paracloeodes minutus</i>	0	6	0	0
					<i>Procloeon</i> sp.	0	0	0	0
		Caenidae			<i>Brachycercus flavus</i>	0	0	0	0
					<i>Caenis hilaris</i>	1	6	0	0
					<i>Caenis latipennis</i>	2	0	16	17
					<i>Caenis</i> sp.	0	0	0	0
		Tricorythidae			<i>Leptohyphes dolani</i>	0	0	0	0
		Ephemeridae			<i>Hexagenia</i> sp.	0	0	0	0
					<i>Pentagenia</i> sp.	0	0	0	0
		Heptageniidae				0	1	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						CHOC1234	CHOC1234	CLER7000	CYPR1324
Insecta—Continued									
					<i>Leucrocuta</i> sp.	0	0	0	0
					<i>Stenacron</i> sp.	0	0	0	1
					<i>Stenonema exiguum</i>	0	0	0	0
					<i>Stenonema</i> sp.	0	0	0	0
		Leptophlebiidae				0	0	0	0
					<i>Choroerpes</i> sp.	0	0	0	0
					<i>Paraleptophlebia</i> sp.	0	0	0	0
		Isonychiidae			<i>Isonychia sicca</i>	0	0	0	0
		Tricorythidae			<i>Tricorythodes</i> sp.	43	282	2	0
	Odonata	Coenagrionidae				0	0	0	0
					<i>Argia</i> sp.	1	4	16	0
		Calopterygidae			<i>Hetaerina</i> sp.	0	0	0	0
		Corduliidae				0	0	0	0
					<i>Macromia</i> sp.	0	0	0	0
		Gomphidae				0	0	0	0
					<i>Hagenius brevistylus</i>	0	0	0	0
					<i>Progomphus</i> sp.	0	0	0	0
		Aeshnidae			<i>Boyeria</i> sp.	0	0	0	0
		Zygoptera			<i>Calopteryx</i> sp.	0	0	0	0
		Libellulidae				0	0	0	0
	Plecoptera	Leuctridae				0	0	0	0
		Perlidae				0	0	0	0
					<i>Acroneuria</i> sp.	0	0	0	0
					<i>Neoperla</i> sp.	0	0	0	0
					<i>Perlesta</i> sp.	0	0	0	0
	Hemiptera	Corixidae				1	0	0	0
		Gerridae				0	0	0	0
		Veliidae				0	0	0	0
					<i>Rhagovelia</i> sp.	0	2	0	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	0	0
					<i>Rheumatobates</i> sp.	0	0	0	0
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	0	0	3
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	0	0	0	0
					<i>Corydalus</i> sp.	4	1	0	1
	Trichoptera	Hydropsychidae				0	0	0	0
					<i>Cheumatopsyche</i> sp.	0	2	14	21
					<i>Hydropsyche bidens</i>	0	0	0	0
					<i>Hydropsyche simulans</i>	8	0	0	6
					<i>Hydropsyche</i> sp.	0	5	0	0
					<i>Hydropsyche orris</i>	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						CHOC1234	CHOC1234	CLER7000	CYPR1324
Insecta—Continued									
		Hydroptilidae				0	0	4	0
					<i>Hydroptila</i> sp.	26	22	0	0
					<i>Mayatrichia</i> sp.	0	0	0	0
					<i>Ochrotrichia</i> sp.	0	0	0	0
		Leptoceridae				0	0	0	0
					<i>Ceraclea</i> sp.	0	0	0	0
					<i>Nectopsyche candida</i>	0	0	0	0
					<i>Oecetis avara</i>	0	0	0	0
					<i>Oectis</i> sp.	0	0	0	0
					<i>Triaenodes</i> sp.	1	1	0	0
		Polycentropodidae				0	0	0	0
					<i>Cyrnellus fraternus</i>	0	0	0	0
					<i>Nyctiophylax moestus</i>	3	2	0	0
					<i>Polycentropus</i> sp.	0	0	0	0
		Philopotamidae			<i>Chimarra</i> sp.	0	0	0	0
		Psychomyiidae			<i>Lype diversa</i>	0	0	0	0
	Lepidoptera					0	1	0	0
		Pyralidae				0	0	0	0
					<i>Estigmene</i> sp.	0	0	0	0
					<i>Petrophila</i> sp.	9	6	0	0
	Coleoptera	Dytiscidae				0	0	0	0
					<i>Hydaticus</i> sp.	0	0	0	0
		Hydrophilidae				0	0	0	0
					<i>Berosus</i> sp.	2	0	1	0
					<i>Laccobius</i> sp.	0	0	0	0
					<i>Sperchopsis</i> sp.	0	0	0	0
		Elmidae				0	0	0	0
					<i>Ancyronyx variagata</i>	0	0	0	0
					<i>Dubiraphia</i> sp.	0	1	3	0
					<i>Heterelmis</i> sp.	0	0	0	0
					<i>Heterlimnius</i> sp.	0	0	0	0
					<i>Macronychus glabratus</i>	0	0	0	0
					<i>Microcylloepus</i> sp.	0	0	0	0
					<i>Stenelmis</i> sp.	15	20	78	13
		Scirtidae			<i>Cyphon</i> sp.	0	0	0	0
		Gyrinidae				0	0	0	0
					<i>Dineutus</i> sp.	0	0	0	0
					<i>Gyretes</i> sp.	1	1	2	0
					<i>Gyrinus</i> sp.	0	0	0	0
					<i>Helichus</i> sp.	0	0	0	0
		Dryopidae			<i>Hydraena</i> sp.	0	0	0	0
		Hydraenidae				0	0	0	0
		Haliplidae			<i>Peltodytes</i> sp.	0	1	0	0
	Diptera	Athericidae			<i>Atherix</i> sp.	0	0	0	0
		Ceratopogonidae			<i>Atrichopogon</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						CHOC1234	CHOC1234	CLER7000	CYPR1324
Insecta—Continued									
					<i>Ceratopogoninae</i>	0	0	0	0
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0	0
		Empididae				0	0	0	0
					<i>Hemerodromia</i> sp.	2	0	0	30
		Psychodidae			<i>Pericoma</i> sp.	0	0	0	0
		Sciaridae				0	0	0	0
		Simuliidae			<i>Simulium</i> sp.	0	0	0	8
		Stratiomyiidae			<i>Odontomyia</i> / <i>Hedriodiscus</i> sp.	0	0	0	0
		Tipulidae				0	0	0	0
					<i>Limonia</i> sp.	0	0	0	0
					<i>Ormosia</i> sp.	0	0	0	0
					<i>Tipula</i> sp.	0	0	0	0
		Chironomidae				0	0	0	0
			Tanypodinae	Procladiini	<i>Procladius</i> sp.	0	0	0	0
				Natarsiini	<i>Natarsia</i> sp.	2	0	0	0
				Pentaneurini		0	2	0	0
					<i>Ablabesmyia</i> sp.	0	5	0	2
					<i>Labrundinia</i> sp.	0	0	0	0
					<i>Larsia</i> sp.	0	0	0	0
					<i>Nilotanytus fimbriatus</i>	0	0	0	0
					<i>Pentaneura</i> sp.	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	0	5	0	31
					<i>Zavrelimyia</i> sp.	0	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0	0
		Orthoclaadiinae				0	0	0	2
				Orthoclaadiini	<i>Cricotopus bicinctus</i> gr.	0	0	0	0
					<i>Cricotopus</i> sp.	2	8	5	0
					<i>Lopescladius</i> sp.	0	0	0	0
					<i>Nanocladius</i> sp.	0	0	0	0
					<i>Orthocladus annectens</i>	0	0	0	0
					<i>Orthocladus complex</i>	0	0	0	0
					<i>Parametriocnemus</i> sp.	0	0	0	0
					<i>Pseudosmittia</i> sp.	0	0	0	0
					<i>Rheocricotopus</i> sp.	0	0	0	0
					<i>Tvetenia vitracies</i> gr.	0	0	0	0
					<i>Xylotopus par</i>	0	0	0	0
				Corynoneurini	<i>Thienemanniella</i> sp.	1	0	0	0
		Chironominae		Chironomini		0	0	0	0
					<i>Chironomus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						CHOC1234	CHOC1234	CLER7000	CYPR1324
Insecta—Continued									
					<i>Cryptochironomus</i> sp.	3	11	3	0
					<i>Dicrotendipes</i> sp.	24	56	254	0
					<i>Endochironomus nigricans</i>	0	0	0	0
					<i>Endochironomus subtendens</i>	0	0	0	0
					<i>Goeldichironomus</i> sp.	0	0	0	0
					<i>Glyptotendipes</i> sp.	0	0	0	0
					<i>Kiefferulus</i> sp.	0	0	0	0
					<i>Microtendipes</i>	0	0	0	0
					<i>rydalensis</i> gr.				
					<i>Nilothauma</i> sp.	0	0	0	0
					<i>Parachironomus</i>	0	0	0	0
					<i>frequens</i> gr.				
					<i>Paracladopelma</i> sp.	0	0	0	0
					<i>Paralauterborniella</i>	0	0	0	0
					<i>nigrohalteris</i>				
					<i>Paratendipes</i> sp.	0	0	0	0
					<i>Polypedilum</i> sp.	24	6	3	73
					<i>Robackia claviger</i>	0	0	0	0
					<i>Robackia demeijerei</i>	0	0	0	0
					<i>Saetheria</i> sp.	0	0	0	0
					<i>Stelechomyia perpulchra</i>	0	0	0	0
					<i>Stenochironomus</i> sp.	3	8	0	22
					<i>Stictochironomus</i> sp.	0	0	0	0
					<i>Tribelos</i> sp.	6	2	0	2
					<i>Xenochironomus xenolabis</i>	0	0	0	2
				Pseudochironomini	<i>Pseudochironomus</i> sp.	0	0	0	0
				Tanytarsini		0	0	0	0
					<i>Cladotanytarsus</i> sp.	2	3	0	0
					<i>Micropsectra</i> sp.	0	0	0	0
					<i>Paratanytarsus</i> sp.	0	0	0	0
					<i>Rheotanytarsus</i> sp.	0	3	0	49
					<i>Stempellinella</i> sp.	0	0	0	0
					<i>Tanytarsus</i> sp.	9	29	0	10
	Coleoptera					0	0	0	0
		Staphylinidae				0	0	0	0
		Elateridae				0	0	0	0
	Collembola					0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number				
						CYPR8800	CYPR9000	CYPR1329	DICK0050	
Fraction sorted						1	0.7	1	1	
Nematoda (phylum)						0	0	0	0	
Turbellaria						0	0	0	0	
Acari						0	0	0	0	
Crustacea										
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	0	0	0	0	
			Talitridae			<i>Hyalella azteca</i>	0	4	3	0
	Decapoda	Cambaridae				0	1	0	0	
			Palaemonidae			<i>Palaemonetes</i> sp.	0	0	0	0
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	1	0	
						<i>Lirceus</i> sp.	0	0	0	0
Bivalvia										
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	0	0	0	0	
			Sphaeriidae				2	27	0	0
Gastropoda										
	Mesogastropoda	Hydrobiidae				0	0	0	0	
						<i>Amnicola</i> sp.	0	0	0	0
	Limnophila	Valvatidae			<i>Valvata</i> sp.	0	0	0	0	
		Ancylidae			<i>Ferrissia</i> sp.	0	0	0	0	
		Lymnaeidae				0	0	0	0	
		Physidae				1	4	1	0	
		Planorbidae				0	0	0	0	
Hirudinea										
	Pharyngobdellida	Erpobdellidae				0	0	0	0	
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	0	0	0	0	
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	0	
Oligochaeta										
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	0	0	0	0	
						<i>Branchiura sowerbyi</i>	0	0	0	0
						<i>Limnodrilus cervix</i>	0	0	0	0
						<i>Limnodrilus hoffmeisteri</i>	0	0	0	0
						<i>Limnodrilus profundicola</i>	0	0	0	0
						<i>Limnodrilus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						CYPR8800	CYPR9000	CYPR1329	DICK0050
Oligochaeta—Continued									
		Tubificidae w/ setae				0	0	0	0
		Tubificidae w/o setae				13	0	1	0
		Lumbriculidae				0	0	0	0
					<i>Lumbricina</i>	4	3	0	0
		Naididae			<i>Bratislavia unidentata</i>	1	0	0	0
					<i>Dero digitata</i>	0	0	0	0
					<i>Dero furcata</i>	0	0	0	0
					<i>Dero</i> sp.	0	0	0	0
					<i>Haemonais waldvogeli</i>	0	0	0	0
					<i>Nais communis</i>	0	0	0	0
					<i>Nais pardalis</i>	0	0	0	0
					<i>Nais</i> sp.	0	0	0	0
					<i>Pristina</i> sp.	0	0	0	0
					<i>Stephensoniana</i> sp.	0	0	0	0
		Enchytraeidae				0	0	0	0
Insecta									
	Ephemeroptera	Baetidae				0	0	0	0
					<i>Acerpenna pygmaea</i>	0	0	0	0
					<i>Baetis armillatus</i>	0	0	0	0
					<i>Baetis flavistriga</i>	0	0	0	0
					<i>Baetis intercalaris</i>	0	0	0	0
					<i>Baetis</i> sp.	0	0	0	0
					<i>Callibaetis ferrugineus</i>	0	0	0	0
					<i>Centroptilum</i> sp.	0	0	0	0
					<i>Fallceon quilleri</i>	0	65	184	0
					<i>Labiobaetis epphiatus</i>	0	0	0	0
					<i>Labiobaetis longipalpus</i>	0	0	0	0
					<i>Labiobaetis propinquus</i>	0	0	0	0
					<i>Labiobaetis</i> sp.	0	0	0	0
					<i>Paracloeodes minutus</i>	0	0	0	0
					<i>Procloeon</i> sp.	0	0	0	0
		Caenidae			<i>Brachycercus flavus</i>	0	0	0	0
					<i>Caenis hilaris</i>	0	0	0	0
					<i>Caenis latipennis</i>	0	81	0	0
					<i>Caenis</i> sp.	1	0	52	0
		Tricorythidae			<i>Leptohyphes dolani</i>	0	0	0	0
		Ephemeridae			<i>Hexagenia</i> sp.	0	0	0	0
					<i>Pentagenia</i> sp.	0	0	0	0
		Heptageniidae				0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						CYPR8800	CYPR9000	CYPR1329	DICK0050
Insecta—Continued									
					<i>Leucrocuta</i> sp.	0	0	0	0
					<i>Stenacron</i> sp.	6	0	0	3
					<i>Stenonema exiguum</i>	0	0	0	0
					<i>Stenonema</i> sp.	0	0	0	0
		Leptophlebiidae				0	0	0	0
					<i>Choroterpes</i> sp.	0	0	0	0
					<i>Paraleptophlebia</i> sp.	0	0	0	0
		Isonychiidae			<i>Isonychia sicca</i>	0	0	0	0
		Tricorythidae			<i>Tricorythodes</i> sp.	0	3	0	0
	Odonata	Coenagrionidae				1	0	0	0
					<i>Argia</i> sp.	2	9	7	0
		Calopterygidae			<i>Hetaerina</i> sp.	0	0	0	0
		Corduliidae				0	0	0	0
					<i>Macromia</i> sp.	0	0	0	0
		Gomphidae				0	0	0	0
					<i>Hagenius brevistylus</i>	0	0	0	0
					<i>Progomphus</i> sp.	0	0	0	0
		Aeshnidae			<i>Boyeria</i> sp.	0	0	0	0
		Zygoptera			<i>Calopteryx</i> sp.	0	0	0	0
		Libellulidae				0	0	0	0
	Plecoptera	Leuctridae				0	0	0	0
		Perlidae				0	0	0	0
					<i>Acroneuria</i> sp.	0	0	0	0
					<i>Neoperla</i> sp.	0	0	0	0
					<i>Perlesta</i> sp.	0	0	0	0
	Hemiptera	Corixidae				0	0	0	0
		Gerridae				0	0	0	0
		Veliidae				0	0	0	0
					<i>Rhagovelia</i> sp.	0	24	3	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	0	0
					<i>Rheumatobates</i> sp.	0	0	0	0
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	0	0	0
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	0	0	0	0
					<i>Corydalus</i> sp.	0	0	0	0
	Trichoptera	Hydropsychidae				0	0	0	0
					<i>Cheumatopsyche</i> sp.	2	0	3	0
					<i>Hydropsyche bidens</i>	0	0	0	0
					<i>Hydropsyche simulans</i>	0	0	0	0
					<i>Hydropsyche</i> sp.	0	0	0	0
					<i>Hydropsyche orris</i>	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						CYPR8800	CYPR9000	CYPR1329	DICK0050
Insecta—Continued									
		Hydroptilidae				0	0	0	0
					<i>Hydroptila</i> sp.	0	9	4	0
					<i>Mayatrichia</i> sp.	0	0	0	0
					<i>Ochrotrichia</i> sp.	0	0	0	0
		Leptoceridae				0	0	0	0
					<i>Ceraclea</i> sp.	0	0	0	0
					<i>Nectopsyche candida</i>	0	0	0	0
					<i>Oectis avara</i>	0	0	0	0
					<i>Oectis</i> sp.	0	0	0	0
					<i>Triaenodes</i> sp.	0	0	0	0
		Polycentropodidae				0	0	0	0
					<i>Cyrnellus fraternus</i>	0	0	0	0
					<i>Nyctiophylax moestus</i>	0	0	0	1
					<i>Polycentropus</i> sp.	0	0	0	0
		Philopotamidae				0	0	0	0
		Psychomyiidae				0	0	0	0
					<i>Chimarra</i> sp.	0	0	0	0
					<i>Lype diversa</i>	0	0	0	0
	Lepidoptera					0	0	0	0
		Pyralidae				0	0	0	0
					<i>Estigmene</i> sp.	0	0	0	0
					<i>Petrophila</i> sp.	0	0	0	0
	Coleoptera	Dytiscidae				0	0	0	0
					<i>Hydaticus</i> sp.	0	0	0	0
		Hydrophilidae				0	0	0	0
					<i>Berosus</i> sp.	0	0	0	0
					<i>Laccobius</i> sp.	0	0	0	0
					<i>Sperchopsis</i> sp.	0	0	0	0
		Elmidae				0	0	0	0
					<i>Ancyronyx variagata</i>	0	0	0	0
					<i>Dubiraphia</i> sp.	1	0	0	0
					<i>Heterelmis</i> sp.	0	0	0	1
					<i>Heterlimnius</i> sp.	0	0	0	0
					<i>Macronychus glabratus</i>	0	0	0	0
					<i>Microcylloepus</i> sp.	0	0	0	0
					<i>Stenelmis</i> sp.	15	27	22	0
		Scirtidae				0	0	0	0
		Gyrinidae				0	0	0	0
					<i>Dineutus</i> sp.	0	0	0	0
					<i>Gyretes</i> sp.	0	0	0	3
					<i>Gyrinus</i> sp.	0	0	0	0
					<i>Helichus</i> sp.	0	0	0	0
		Dryopidae				0	0	0	0
		Hydraenidae				0	0	0	0
					<i>Hydraena</i> sp.	0	0	0	0
		Haliplidae				0	1	0	0
					<i>Peltodytes</i> sp.	0	1	0	0
	Diptera	Athericidae				0	0	0	0
					<i>Atherix</i> sp.	0	0	0	0
		Ceratopogonidae				0	0	0	0
					<i>Atrichopogon</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						CYPR8800	CYPR9000	CYPR1329	DICK0050
Insecta—Continued									
					<i>Ceratopogoninae</i>	0	0	0	0
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0	0
		Empididae			<i>Hemerodromia</i> sp.	0	0	0	0
		Psychodidae			<i>Pericoma</i> sp.	0	0	0	0
		Sciaridae				0	0	0	0
		Simuliidae			<i>Simulium</i> sp.	0	0	0	0
		Stratiomyiidae			<i>Odontomyia</i> / <i>Hedriodiscus</i> sp.	0	0	0	0
		Tipulidae				0	0	0	0
					<i>Limonia</i> sp.	0	0	0	0
					<i>Ormosia</i> sp.	0	0	0	0
					<i>Tipula</i> sp.	0	0	0	0
		Chironomidae				0	0	0	0
			Tanypodinae	Procladiini	<i>Procladius</i> sp.	0	0	0	0
				Natarsiini	<i>Natarsia</i> sp.	0	0	0	0
				Pentaneurini		0	4	0	0
					<i>Ablabesmyia</i> sp.	0	0	4	1
					<i>Labrundinia</i> sp.	0	8	0	0
					<i>Larsia</i> sp.	0	0	0	0
					<i>Nilotanytus fimbriatus</i>	0	0	0	0
					<i>Pentaneura</i> sp.	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	0	61	24	0
					<i>Zavrelimyia</i> sp.	0	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0	0
		Orthoclaadiinae		Orthoclaadiini		0	0	0	0
					<i>Cricotopus bicinctus</i> gr.	0	0	0	0
					<i>Cricotopus</i> sp.	0	0	3	0
					<i>Lopescladius</i> sp.	0	0	0	0
					<i>Nanocladius</i> sp.	0	0	0	0
					<i>Orthocladus annectens</i>	0	0	0	0
					<i>Orthocladus complex</i>	0	0	0	0
					<i>Parametriocnemus</i> sp.	0	0	0	0
					<i>Pseudosmittia</i> sp.	0	0	0	0
					<i>Rheocricotopus</i> sp.	0	0	0	0
					<i>Tvetenia vitracies</i> gr.	0	0	0	0
					<i>Xylotopus par</i>	0	0	0	0
				Corynoneurini	<i>Thienemanniella</i> sp.	0	0	0	0
		Chironominae		Chironomini		0	0	0	0
					<i>Chironomus</i> sp.	0	0	0	7

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						CYPR8800	CYPR9000	CYPR1329	DICK0050
Insecta—Continued									
					<i>Cryptochironomus</i> sp.	0	0	0	0
					<i>Dicrotendipes</i> sp.	0	321	33	1
					<i>Endochironomus nigricans</i>	0	0	0	0
					<i>Endochironomus subtendens</i>	0	0	0	0
					<i>Goeldichironomus</i> sp.	0	0	0	0
					<i>Glyptotendipes</i> sp.	0	0	0	0
					<i>Kiefferulus</i> sp.	0	0	0	0
					<i>Microtendipes</i>	0	0	0	0
					<i>rydalensis</i> gr.				
					<i>Nilothauma</i> sp.	0	0	0	0
					<i>Parachironomus</i>	0	0	0	0
					<i>frequens</i> gr.				
					<i>Paracladopelma</i> sp.	0	0	0	0
					<i>Paralauterborniella</i>	0	0	0	0
					<i>nigrohalteris</i>				
					<i>Paratendipes</i> sp.	0	0	0	0
					<i>Polypedilum</i> sp.	2	35	71	6
					<i>Robackia claviger</i>	0	0	0	0
					<i>Robackia demeijerei</i>	0	0	0	0
					<i>Saetheria</i> sp.	0	0	0	0
					<i>Stelechomyia perpulchra</i>	0	0	0	0
					<i>Stenochironomus</i> sp.	0	0	0	0
					<i>Stictochironomus</i> sp.	0	0	0	0
					<i>Tribelos</i> sp.	0	0	4	41
					<i>Xenochironomus xenolabis</i>	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	0	0	0	0
				Tanytarsini		0	0	0	0
					<i>Cladotanytarsus</i> sp.	0	0	0	0
					<i>Micropsectra</i> sp.	0	0	0	0
					<i>Paratanytarsus</i> sp.	0	0	0	0
					<i>Rheotanytarsus</i> sp.	1	4	0	0
					<i>Stempellinella</i> sp.	0	0	0	0
					<i>Tanytarsus</i> sp.	0	0	0	11
	Coleoptera					0	0	0	0
		Staphylinidae				0	0	0	0
		Elateridae				0	0	0	0
	Collembola					0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number				
						DICK0050	EFSJ0016	EFSJ0200	EFSJ0200	
Fraction sorted						1	1	0.7	1	
Nematoda (phylum)						0	0	0	0	
Turbellaria						0	0	0	0	
Acari						0	0	0	0	
Crustacea										
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	0	27	8	6	
			Talitridae			<i>Hyaella azteca</i>	0	0	0	0
	Decapoda	Cambaridae				0	0	0	0	
			Palaemonidae			<i>Palaemonetes</i> sp.	0	0	0	0
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	0	0	
						<i>Lirceus</i> sp.	0	0	0	0
Bivalvia										
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	0	0	0	0	
			Sphaeriidae				0	12	2	1
Gastropoda										
	Mesogastropoda	Hydrobiidae				0	0	0	0	
						<i>Ammicola</i> sp.	0	0	0	0
	Limnophila	Valvatidae			<i>Valvata</i> sp.	0	0	0	0	
		Ancylidae			<i>Ferrissia</i> sp.	0	0	0	0	
		Lymnaeidae				0	0	0	0	
		Physidae				0	1	0	0	
		Planorbidae				0	0	0	0	
Hirudinea										
	Pharyngobdellida	Erpobdellidae				0	0	0	0	
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	0	0	0	0	
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	0	
Oligochaeta										
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	0	0	0	0	
						<i>Branchiura sowerbyi</i>	0	0	0	0
						<i>Limnodrilus cervix</i>	0	0	0	0
						<i>Limnodrilus hoffmeisteri</i>	0	0	0	0
						<i>Limnodrilus profundicola</i>	0	0	0	0
						<i>Limnodrilus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						DICK0050	EFSJ0016	EFSJ0200	EFSJ0200
Oligochaeta—Continued									
		Tubificidae w/ setae				0	0	0	0
		Tubificidae w/o setae				0	0	0	0
		Lumbriculidae				0	0	0	0
					<i>Lumbricina</i>	0	0	0	0
		Naididae			<i>Bratislavia unidentata</i>	0	0	6	0
					<i>Dero digitata</i>	0	0	0	0
					<i>Dero furcata</i>	0	0	0	0
					<i>Dero</i> sp.	0	0	0	0
					<i>Haemonais waldvogeli</i>	0	0	0	0
					<i>Nais communis</i>	0	0	0	0
					<i>Nais pardalis</i>	0	0	20	41
					<i>Nais</i> sp.	0	0	0	0
					<i>Pristina</i> sp.	0	0	0	0
					<i>Stephensoniana</i> sp.	0	0	0	0
		Enchytraeidae				0	0	0	0
Insecta									
	Ephemeroptera	Baetidae				3	2	2	5
					<i>Acerpenna pygmaea</i>	0	2	0	0
					<i>Baetis armillatus</i>	0	0	0	0
					<i>Baetis flavistriga</i>	0	0	0	0
					<i>Baetis intercalaris</i>	0	21	0	0
					<i>Baetis</i> sp.	0	0	0	0
					<i>Callibaetis ferrugineus</i>	0	0	0	0
					<i>Centroptilum</i> sp.	0	0	2	0
					<i>Fallceon quilleri</i>	0	0	2	0
					<i>Labiobaetis epphipiatus</i>	0	0	0	0
					<i>Labiobaetis longipalpus</i>	0	0	0	0
					<i>Labiobaetis propinquus</i>	0	0	0	0
					<i>Labiobaetis</i> sp.	0	0	0	0
					<i>Paracloeodes minutus</i>	0	0	0	0
					<i>Procloeon</i> sp.	0	7	17	7
		Caenidae			<i>Brachycercus flavus</i>	0	0	0	0
					<i>Caenis hilaris</i>	0	0	36	15
					<i>Caenis latipennis</i>	0	0	0	0
					<i>Caenis</i> sp.	0	2	0	9
		Tricorythidae			<i>Leptohyphes dolani</i>	0	0	53	9
		Ephemeridae			<i>Hexagenia</i> sp.	0	0	0	0
					<i>Pentagenia</i> sp.	0	0	0	0
		Heptageniidae				0	7	0	1

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						DICK0050	EFSJ0016	EFSJ0200	EFSJ0200
Insecta—Continued									
					<i>Leucrocuta</i> sp.	0	0	0	0
					<i>Stenacron</i> sp.	0	58	0	0
					<i>Stenonema exiguum</i>	0	4	21	2
					<i>Stenonema</i> sp.	0	30	30	9
		Leptophlebiidae				0	0	0	0
					<i>Choroterpes</i> sp.	0	0	2	0
					<i>Paraleptophlebia</i> sp.	0	0	0	0
		Isonychiidae			<i>Isonychia sicca</i>	0	0	11	2
		Tricorythidae			<i>Tricorythodes</i> sp.	0	0	122	60
	Odonata	Coenagrionidae				0	0	0	0
					<i>Argia</i> sp.	0	0	0	0
		Calopterygidae			<i>Hetaerina</i> sp.	0	0	0	0
		Corduliidae				0	0	0	0
					<i>Macromia</i> sp.	0	0	0	0
		Gomphidae				0	0	0	1
					<i>Hagenius brevistylus</i>	0	0	0	0
					<i>Progomphus</i> sp.	0	0	0	0
		Aeshnidae			<i>Boyeria</i> sp.	0	0	0	0
		Zygoptera			<i>Calopteryx</i> sp.	0	0	0	0
		Libellulidae				0	0	0	0
	Plecoptera	Leuctridae				0	0	0	0
		Perlidae				0	0	2	0
					<i>Acroneuria</i> sp.	0	0	2	0
					<i>Neoperla</i> sp.	0	0	0	0
					<i>Perlesta</i> sp.	0	4	0	0
	Hemiptera	Corixidae				0	0	0	0
		Gerridae				0	0	0	0
		Veliidae				1	0	0	0
					<i>Rhagovelia</i> sp.	0	0	0	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	0	0
					<i>Rheumatobates</i> sp.	1	0	0	0
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	0	0	0
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	0	0	0	0
					<i>Corydalus</i> sp.	0	0	3	0
	Trichoptera	Hydropsychidae				0	0	0	0
					<i>Cheumatopsyche</i> sp.	0	74	6	0
					<i>Hydropsyche bidens</i>	0	0	0	0
					<i>Hydropsyche simulans</i>	0	0	29	0
					<i>Hydropsyche</i> sp.	0	0	2	1
					<i>Hydropsyche orris</i>	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						DICK0050	EFSJ0016	EFSJ0200	EFSJ0200
Insecta—Continued									
		Hydroptilidae				0	0	0	0
					<i>Hydroptila</i> sp.	0	0	0	0
					<i>Mayatrichia</i> sp.	2	0	0	0
					<i>Ochrotrichia</i> sp.	0	0	0	1
		Leptoceridae				0	0	0	0
					<i>Ceraclea</i> sp.	0	0	0	0
					<i>Nectopsyche candida</i>	0	0	0	0
					<i>Oecetis avara</i>	0	0	0	0
					<i>Oectis</i> sp.	0	0	0	0
					<i>Triaenodes</i> sp.	0	0	0	0
		Polycentropodidae				3	0	0	0
					<i>Cynellus fraternus</i>	0	0	8	0
					<i>Nyctiophylax moestus</i>	0	0	0	0
					<i>Polycentropus</i> sp.	0	0	0	0
		Philopotamidae				0	0	0	0
					<i>Chimarra</i> sp.	0	0	0	0
		Psychomyiidae				0	0	0	0
					<i>Lype diversa</i>	0	0	0	0
	Lepidoptera					0	0	0	0
		Pyalidae				0	0	0	0
					<i>Estigmene</i> sp.	0	0	0	0
					<i>Petrophila</i> sp.	0	0	0	0
	Coleoptera	Dytiscidae				0	0	0	0
					<i>Hydaticus</i> sp.	0	0	0	0
		Hydrophilidae				0	0	0	0
					<i>Berosus</i> sp.	0	0	0	0
					<i>Laccobius</i> sp.	0	0	0	0
					<i>Sperchopsis</i> sp.	0	0	2	0
		Elmidae				0	2	0	1
					<i>Ancyronyx variagata</i>	0	0	6	1
					<i>Dubiraphia</i> sp.	4	0	3	0
					<i>Heterelmis</i> sp.	0	0	0	0
					<i>Heterlimnius</i> sp.	0	4	45	5
					<i>Macronychus glabratus</i>	4	0	15	0
					<i>Microcylloepus</i> sp.	0	18	86	13
					<i>Stenelmis</i> sp.	0	0	3	0
		Sciritidae				0	1	0	0
					<i>Cyphon</i> sp.	0	0	0	0
		Gyrinidae				1	0	14	0
					<i>Dineutus</i> sp.	0	0	0	0
					<i>Gyretes</i> sp.	0	0	0	0
					<i>Gyrinus</i> sp.	0	4	0	0
					<i>Helichus</i> sp.	0	0	0	0
		Dryopidae				0	0	0	0
					<i>Hydraena</i> sp.	0	0	0	0
		Hydraenidae				0	0	0	0
					<i>Peltodytes</i> sp.	0	0	5	0
		Haliplidae				0	0	5	0
					<i>Atherix</i> sp.	0	0	5	1
		Athericidae				0	0	5	1
					<i>Atrichopogon</i> sp.	0	0	5	1
		Ceratopogonidae				0	0	5	1

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						DICK0050	EFSJ0016	EFSJ0200	EFSJ0200
Insecta—Continued									
					<i>Ceratopogoninae</i>	0	0	2	1
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0	0
		Empididae			<i>Hemerodromia</i> sp.	0	0	0	0
					<i>Pericoma</i> sp.	0	0	3	0
		Psychodidae				0	0	0	0
		Sciaridae				0	0	0	0
		Simuliidae			<i>Simulium</i> sp.	0	0	0	0
		Stratiomyiidae			<i>Odontomyia/</i> <i>Hedriodiscus</i> sp.	0	0	0	0
		Tipulidae				0	0	2	0
					<i>Limonia</i> sp.	0	0	0	0
					<i>Ormosia</i> sp.	0	0	0	1
					<i>Tipula</i> sp.	0	0	0	0
		Chironomidae				0	0	0	0
			Tanypodinae	Procladiini	<i>Procladius</i> sp.	0	0	0	0
				Natarsiini	<i>Natarsia</i> sp.	0	0	0	0
				Pentaneurini		2	4	2	1
					<i>Ablabesmyia</i> sp.	0	3	9	6
					<i>Labrundinia</i> sp.	0	0	0	1
					<i>Larsia</i> sp.	0	0	0	0
					<i>Nilotanypus fimbriatus</i>	0	0	0	4
					<i>Pentaneura</i> sp.	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	3	0	18	7
					<i>Zavrelimyia</i> sp.	0	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0	0
		Orthocladiinae				0	0	5	0
				Orthocladiini	<i>Cricotopus bicinctus</i> gr.	0	0	3	0
					<i>Cricotopus</i> sp.	0	0	6	0
					<i>Lopescladius</i> sp.	0	0	0	0
					<i>Nanocladius</i> sp.	0	0	2	0
					<i>Orthocladius annectens</i>	0	0	0	0
					<i>Orthocladius complex</i>	0	0	0	0
					<i>Parametriocnemus</i> sp.	0	0	0	0
					<i>Pseudosmittia</i> sp.	0	0	0	0
					<i>Rheocricotopus</i> sp.	0	3	0	0
					<i>Tvetenia vitracies</i> gr.	0	1	0	0
					<i>Xylotopus par</i>	0	1	2	0
				Corynoneurini	<i>Thienemanniella</i> sp.	0	1	0	1
		Chironominae		Chironomini		0	1	0	0
					<i>Chironomus</i> sp.	31	0	2	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						DICK0050	EFSJ0016	EFSJ0200	EFSJ0200
Insecta—Continued									
					<i>Cryptochironomus</i> sp.	0	0	3	0
					<i>Dicrotendipes</i> sp.	6	0	6	4
					<i>Endochironomus nigricans</i>	0	0	0	0
					<i>Endochironomus subtendens</i>	0	0	0	0
					<i>Goeldichironomus</i> sp.	0	0	0	0
					<i>Glyptotendipes</i> sp.	0	2	0	0
					<i>Kiefferulus</i> sp.	0	0	0	0
					<i>Microtendipes</i>	0	0	0	0
					<i>rydalensis</i> gr.				
					<i>Nilothauma</i> sp.	0	0	0	0
					<i>Parachironomus</i>	0	0	0	0
					<i>frequens</i> gr.				
					<i>Paracladopelma</i> sp.	0	0	2	0
					<i>Paralauterborniella</i>	0	0	2	0
					<i>nigrohalteris</i>				
					<i>Paratendipes</i> sp.	0	0	0	0
					<i>Polypedilum</i> sp.	28	9	68	36
					<i>Robackia claviger</i>	0	0	0	0
					<i>Robackia demeijerei</i>	0	0	2	0
					<i>Saetheria</i> sp.	0	0	0	0
					<i>Stelechomyia perpulchra</i>	0	0	3	0
					<i>Stenochironomus</i> sp.	8	12	5	0
					<i>Stictochironomus</i> sp.	0	0	0	0
					<i>Tribelos</i> sp.	26	0	12	1
					<i>Xenochironomus xenolabis</i>	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	0	0	36	16
				Tanytarsini		0	0	5	0
					<i>Cladotanytarsus</i> sp.	0	0	5	0
					<i>Micropsectra</i> sp.	0	0	0	0
					<i>Paratanytarsus</i> sp.	0	0	0	0
					<i>Rheotanytarsus</i> sp.	0	0	6	0
					<i>Stempellinella</i> sp.	0	1	0	0
					<i>Tanytarsus</i> sp.	46	4	24	11
	Coleoptera					0	0	0	0
		Staphylinidae				0	0	0	0
		Elateridae				0	0	0	0
	Collembola					0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number				
						EFSJ1237	SAND0014	GRENO034	LAKE0012	
Fraction sorted						0.3	0.5	0.6	0.4	
Nematoda (phylum)						0	0	0	0	
Turbellaria						4	0	0	0	
Acari						0	0	0	0	
Crustacea										
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	0	0	0	33	
			Talitridae			<i>Hyalella azteca</i>	0	0	2	2
	Decapoda	Cambaridae				0	0	0	0	
			Palaemonidae			<i>Palaemonetes</i> sp.	0	0	0	0
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	0	0	
						<i>Lirceus</i> sp.	0	0	0	0
Bivalvia										
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	0	4	0	0	
			Sphaeriidae				7	0	0	209
Gastropoda										
	Mesogastropoda	Hydrobiidae				0	0	0	0	
						<i>Amnicola</i> sp.	0	0	0	2
	Limnophila	Valvatidae			<i>Valvata</i> sp.	0	0	0	0	
		Ancylidae			<i>Ferrissia</i> sp.	0	0	0	2	
		Lymnaeidae				0	0	0	0	
		Physidae				0	0	0	0	
		Planorbidae				0	0	0	0	
Hirudinea										
	Pharyngobdellida	Erpobdellidae				0	0	0	0	
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	0	0	2	0	
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	5	
Oligochaeta										
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	0	0	0	0	
						<i>Branchiura sowerbyi</i>	0	0	0	0
						<i>Limnodrilus cervix</i>	0	0	0	0
						<i>Limnodrilus hoffmeisteri</i>	0	0	0	2
						<i>Limnodrilus profundicola</i>	4	0	0	0
						<i>Limnodrilus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						EFSJ1237	SAND0014	GRENO034	LAKE0012
Oligochaeta—Continued									
		Tubificidae w/ setae				0	0	0	0
		Tubificidae w/o setae				0	6	0	0
		Lumbriculidae				0	0	0	0
					<i>Lumbricina</i>	0	0	0	0
		Naididae			<i>Bratislavia unidentata</i>	0	0	0	0
					<i>Dero digitata</i>	0	0	0	0
					<i>Dero furcata</i>	0	0	0	0
					<i>Dero</i> sp.	0	0	0	0
					<i>Haemonais waldvogeli</i>	0	0	0	0
					<i>Nais communis</i>	0	0	0	0
					<i>Nais pardalis</i>	0	0	0	0
					<i>Nais</i> sp.	0	0	0	0
					<i>Pristina</i> sp.	0	0	0	0
					<i>Stephensoniana</i> sp.	0	0	0	0
		Enchytraeidae				0	0	0	0
Insecta									
	Ephemeroptera	Baetidae				0	0	0	0
					<i>Acerpenna pygmaea</i>	0	0	0	0
					<i>Baetis armillatus</i>	7	6	0	0
					<i>Baetis flavistriga</i>	0	0	0	0
					<i>Baetis intercalaris</i>	171	31	0	26
					<i>Baetis</i> sp.	0	0	0	0
					<i>Callibaetis ferrugineus</i>	0	0	0	0
					<i>Centroptilum</i> sp.	0	0	0	0
					<i>Fallceon quilleri</i>	0	0	81	0
					<i>Labiobaetis epphiatus</i>	0	0	0	0
					<i>Labiobaetis longipalpus</i>	0	0	0	0
					<i>Labiobaetis propinquus</i>	0	4	0	0
					<i>Labiobaetis</i> sp.	0	0	0	0
					<i>Paracloeodes minutus</i>	0	0	0	0
					<i>Procloeon</i> sp.	0	0	0	0
		Caenidae			<i>Brachycercus flavus</i>	0	0	0	2
					<i>Caenis hilaris</i>	0	21	0	0
					<i>Caenis latipennis</i>	0	0	9	0
					<i>Caenis</i> sp.	0	0	0	2
		Tricorythidae			<i>Leptohyphes dolani</i>	4	0	0	0
		Ephemeridae			<i>Hexagenia</i> sp.	0	0	0	0
					<i>Pentagenia</i> sp.	0	0	0	0
		Heptageniidae				0	2	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						EFSJ1237	SAND0014	GRENO034	LAKE0012
Insecta—Continued									
					<i>Leucrocuta</i> sp.	0	0	0	0
					<i>Stenacron</i> sp.	0	4	0	24
					<i>Stenonema exiguum</i>	18	2	0	2
					<i>Stenonema</i> sp.	57	6	0	21
		Leptophlebiidae				0	2	0	0
					<i>Choroterpes</i> sp.	0	0	0	0
					<i>Paraleptophlebia</i> sp.	0	0	0	0
		Isonychiidae			<i>Isonychia sicca</i>	11	6	0	0
		Tricorythidae			<i>Tricorythodes</i> sp.	4	19	3	2
	Odonata	Coenagrionidae				0	0	0	0
					<i>Argia</i> sp.	0	0	26	2
		Calopterygidae			<i>Hetaerina</i> sp.	0	0	0	0
		Corduliidae				0	0	0	0
					<i>Macromia</i> sp.	0	0	0	0
		Gomphidae				0	2	0	0
					<i>Hagenius brevistylus</i>	0	4	0	0
					<i>Progomphus</i> sp.	0	0	0	0
		Aeshnidae			<i>Boyeria</i> sp.	0	0	0	0
		Zygoptera			<i>Calopteryx</i> sp.	0	0	0	0
		Libellulidae				0	0	0	0
	Plecoptera	Leuctridae				0	0	0	0
		Perlidae				0	0	0	0
					<i>Acroneuria</i> sp.	0	0	0	0
					<i>Neoperla</i> sp.	0	2	0	0
					<i>Perlesta</i> sp.	0	0	0	0
	Hemiptera	Corixidae				0	0	0	0
		Gerridae				0	0	0	0
		Veliidae				0	0	0	0
					<i>Rhagovelia</i> sp.	0	2	0	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	0	0
					<i>Rheumatobates</i> sp.	0	0	0	0
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	0	0	0
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	0	0	0	0
					<i>Corydalus</i> sp.	11	6	9	2
	Trichoptera	Hydropsychidae				0	0	0	0
					<i>Cheumatopsyche</i> sp.	139	151	31	664
					<i>Hydropsyche bidens</i>	0	0	0	0
					<i>Hydropsyche simulans</i>	693	33	22	62
					<i>Hydropsyche</i> sp.	0	0	0	0
					<i>Hydropsyche orris</i>	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						EFSJ1237	SAND0014	GRENO034	LAKE0012
Insecta—Continued									
		Hydroptilidae				0	2	0	0
					<i>Hydroptila</i> sp.	14	0	3	10
					<i>Mayatrichia</i> sp.	0	0	0	0
					<i>Ochrotrichia</i> sp.	0	0	0	0
		Leptoceridae				0	0	0	0
					<i>Ceraclea</i> sp.	0	0	0	0
					<i>Nectopsyche candida</i>	0	0	0	0
					<i>Oectis avara</i>	0	0	0	0
					<i>Oectis</i> sp.	0	2	0	0
					<i>Triaenodes</i> sp.	0	0	0	0
		Polycentropodidae				0	0	0	0
					<i>Cyrnellus fraternus</i>	0	0	0	0
					<i>Nyctiophylax moestus</i>	0	14	0	7
					<i>Polycentropus</i> sp.	0	0	0	0
		Philopotamidae				4	0	0	0
		Psychomyiidae			<i>Chimarra</i> sp.	0	0	0	0
					<i>Lype diversa</i>	0	0	0	0
	Lepidoptera					0	0	0	0
		Pyralidae				4	0	0	0
					<i>Estigmene</i> sp.	4	0	0	0
					<i>Petrophila</i> sp.	0	0	0	0
	Coleoptera	Dytiscidae				0	0	0	2
					<i>Hydaticus</i> sp.	0	0	0	0
		Hydrophilidae				0	2	0	0
					<i>Berosus</i> sp.	0	0	0	0
					<i>Laccobius</i> sp.	0	0	0	0
					<i>Sperchopsis</i> sp.	0	0	0	0
		Elmidae				0	98	0	5
					<i>Ancyronyx variagata</i>	0	98	0	5
					<i>Dubiraphia</i> sp.	4	2	0	0
					<i>Heterelmis</i> sp.	0	0	0	0
					<i>Heterlimnius</i> sp.	0	0	0	0
					<i>Macronychus glabratus</i>	68	122	0	2
					<i>Microcylloepus</i> sp.	0	2	0	0
					<i>Stenelmis</i> sp.	43	48	38	26
		Sciritidae				0	2	0	0
					<i>Cyphon</i> sp.	0	2	0	0
		Gyrinidae				4	0	0	0
					<i>Dineutus</i> sp.	4	0	0	0
					<i>Gyretes</i> sp.	4	12	0	5
					<i>Gyrinus</i> sp.	0	0	0	0
					<i>Helichus</i> sp.	0	4	0	2
		Dryopidae				0	4	0	2
		Hydraenidae				0	0	0	0
					<i>Hydraena</i> sp.	0	0	0	0
		Haliplidae				0	0	0	0
					<i>Peltodytes</i> sp.	0	0	0	0
	Diptera	Athericidae				14	0	0	0
					<i>Atherix</i> sp.	14	0	0	0
		Ceratopogonidae				0	0	0	0
					<i>Atrichopogon</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						EFSJ1237	SAND0014	GRENO034	LAKE0012
Insecta—Continued									
					<i>Ceratopogoninae</i>	0	10	0	0
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0	0
		Empididae				0	0	0	0
					<i>Hemerodromia</i> sp.	14	15	3	0
		Psychodidae			<i>Pericoma</i> sp.	0	0	0	0
		Sciaridae				0	0	0	0
		Simuliidae			<i>Simulium</i> sp.	7	6	0	2
		Stratiomyiidae			<i>Odontomyia/</i> <i>Hedriodiscus</i> sp.	0	0	0	0
		Tipulidae				0	0	0	2
					<i>Limonia</i> sp.	0	0	0	0
					<i>Ormosia</i> sp.	0	0	0	0
					<i>Tipula</i> sp.	0	0	0	0
		Chironomidae				0	0	0	0
			Tanypodinae	Procladiini	<i>Procladius</i> sp.	0	0	0	0
				Natarsiini	<i>Natarsia</i> sp.	0	4	0	0
				Pentaneurini		0	0	7	0
					<i>Ablabesmyia</i> sp.	0	4	0	0
					<i>Labrundinia</i> sp.	0	0	0	0
					<i>Larsia</i> sp.	0	0	0	0
					<i>Nilotanypus fimbriatus</i>	11	4	0	0
					<i>Pentaneura</i> sp.	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	29	4	60	33
					<i>Zavrelimyia</i> sp.	0	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0	0
		Orthocladiinae				0	0	0	0
				Orthocladiini	<i>Cricotopus bicinctus</i> gr.	0	0	0	2
					<i>Cricotopus</i> sp.	0	0	0	0
					<i>Lopescladius</i> sp.	0	0	0	0
					<i>Nanocladius</i> sp.	7	0	14	0
					<i>Orthocladius annectens</i>	0	0	7	0
					<i>Orthocladius complex</i>	0	0	21	0
					<i>Parametricnemus</i> sp.	0	0	0	0
					<i>Pseudosmittia</i> sp.	0	0	0	0
					<i>Rheocricotopus</i> sp.	36	23	0	5
					<i>Tvetenia vitracies</i> gr.	196	4	0	0
					<i>Xylotopus par</i>	29	0	0	0
				Corynoneurini	<i>Thienemanniella</i> sp.	0	0	0	0
		Chironominae		Chironomini		0	0	0	0
					<i>Chironomus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						EFSJ1237	SAND0014	GRENO034	LAKE0012
Insecta—Continued									
					<i>Cryptochironomus</i> sp.	0	8	7	0
					<i>Dicrotendipes</i> sp.	0	12	60	14
					<i>Endochironomus nigricans</i>	0	0	0	0
					<i>Endochironomus subtendens</i>	0	0	0	0
					<i>Goeldichironomus</i> sp.	0	0	0	0
					<i>Glyptotendipes</i> sp.	0	0	0	0
					<i>Kiefferulus</i> sp.	0	0	0	0
					<i>Microtendipes</i>	0	0	0	0
					<i>rydalensis</i> gr.				
					<i>Nilothauma</i> sp.	0	0	0	0
					<i>Parachironomus</i>	0	0	0	0
					<i>frequens</i> gr.				
					<i>Paracladopelma</i> sp.	0	0	0	0
					<i>Paralauterborniella</i>	0	0	0	0
					<i>nigrohalteris</i>				
					<i>Paratendipes</i> sp.	0	0	0	0
					<i>Polypedilum</i> sp.	164	79	342	0
					<i>Robackia claviger</i>	0	0	0	0
					<i>Robackia demeijerei</i>	0	0	0	0
					<i>Saetheria</i> sp.	0	0	0	0
					<i>Stelechomyia perpulchra</i>	0	4	0	2
					<i>Stenochironomus</i> sp.	7	87	34	5
					<i>Stictochironomus</i> sp.	0	0	0	0
					<i>Tribelos</i> sp.	7	41	0	0
					<i>Xenochironomus xenolabis</i>	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	0	0	0	0
				Tanytarsini		0	0	0	0
					<i>Cladotanytarsus</i> sp.	29	0	0	0
					<i>Micropsectra</i> sp.	0	0	0	0
					<i>Paratanytarsus</i> sp.	0	0	0	0
					<i>Rheotanytarsus</i> sp.	36	0	60	0
					<i>Stempellinella</i> sp.	0	0	0	0
					<i>Tanytarsus</i> sp.	46	48	60	0
	Coleoptera					0	0	0	0
		Staphylinidae				0	0	0	0
		Elateridae				0	0	0	0
	Collembola					0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number				
						LAKE1367	LANG0003	LUCE1280	OYST0039	
Fraction sorted						0.7	1	1	0.9	
Nematoda (phylum)						0	2	0	0	
Turbellaria						0	0	1	0	
Acari						0	0	0	0	
Crustacea										
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	20	0	3	0	
			Talitridae			<i>Hyaella azteca</i>	0	0	0	0
	Decapoda	Cambaridae				0	0	0	0	
			Palaemonidae			<i>Palaemonetes</i> sp.	0	1	0	0
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	5	0	
						<i>Lirceus</i> sp.	0	0	1	0
Bivalvia										
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	1	0	0	0	
			Sphaeriidae				0	0	7	1
Gastropoda										
	Mesogastropoda	Hydrobiidae				0	0	3	0	
						<i>Amnicola</i> sp.	0	0	0	0
	Limnophila	Valvatidae			<i>Valvata</i> sp.	0	0	1	0	
		Ancylidae			<i>Ferrissia</i> sp.	0	0	0	0	
		Lymnaeidae				0	0	0	0	
		Physidae				0	0	0	0	
		Planorbidae				0	0	0	0	
Hirudinea										
	Pharyngobdellida	Erpobdellidae				0	0	1	0	
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	1	0	0	0	
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	0	
Oligochaeta										
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	0	0	0	0	
						<i>Branchiura sowerbyi</i>	0	2	0	0
						<i>Limnodrilus cervix</i>	0	0	0	0
						<i>Limnodrilus hoffmeisteri</i>	0	0	0	0
						<i>Limnodrilus profundicola</i>	0	0	0	0
						<i>Limnodrilus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						LAKE1367	LANG0003	LUCE1280	OYST0039
Oligochaeta—Continued									
		Tubificidae				0	0	0	0
		Tubificidae				0	0	0	0
		Lumbriculidae				0	0	0	0
					<i>Lumbricina</i>	0	1	0	0
		Naididae			<i>Bratislavia unidentata</i>	0	0	0	0
					<i>Dero digitata</i>	0	2	0	0
					<i>Dero furcata</i>	0	1	0	0
					<i>Dero</i> sp.	0	0	0	0
					<i>Haemonais waldvogeli</i>	0	2	0	0
					<i>Nais communis</i>	0	0	0	0
					<i>Nais pardalis</i>	0	0	0	0
					<i>Nais</i> sp.	0	0	0	0
					<i>Pristina</i> sp.	0	0	0	0
					<i>Stephensoniana</i> sp.	0	0	0	0
		Enchytraeidae				0	0	0	0
Insecta									
	Ephemeroptera	Baetidae				3	0	0	0
					<i>Acerpenna pygmaea</i>	0	0	42	0
					<i>Baetis armillatus</i>	0	0	0	0
					<i>Baetis flavistriga</i>	0	0	0	0
					<i>Baetis intercalaris</i>	14	0	69	0
					<i>Baetis</i> sp.	0	0	0	0
					<i>Callibaetis ferrugineus</i>	0	0	0	0
					<i>Centroptilum</i> sp.	0	0	0	0
					<i>Fallceon quilleri</i>	0	0	0	67
					<i>Labiobaetis epphiatus</i>	0	0	0	0
					<i>Labiobaetis longipalpus</i>	0	0	0	0
					<i>Labiobaetis propinquus</i>	0	0	0	0
					<i>Labiobaetis</i> sp.	0	0	0	0
					<i>Paracloeodes minutus</i>	8	0	0	0
					<i>Procloeon</i> sp.	0	0	0	0
		Caenidae			<i>Brachycercus flavus</i>	0	0	0	0
					<i>Caenis hilaris</i>	85	0	0	1
					<i>Caenis latipennis</i>	0	0	0	0
					<i>Caenis</i> sp.	0	0	0	0
		Tricorythidae			<i>Leptohyphes dolani</i>	0	0	0	0
		Ephemeridae			<i>Hexagenia</i> sp.	0	0	0	0
					<i>Pentagenia</i> sp.	0	0	0	0
		Heptageniidae				0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						LAKE1367	LANG0003	LUCE1280	OYST0039
Insecta—Continued									
					<i>Leucrocuta</i> sp.	0	0	0	1
					<i>Stenacron</i> sp.	23	0	71	12
					<i>Stenonema exiguum</i>	3	0	0	0
					<i>Stenonema</i> sp.	15	0	0	0
		Leptophlebiidae				0	0	0	0
					<i>Choroterpes</i> sp.	0	0	0	4
					<i>Paraleptophlebia</i> sp.	0	0	0	0
		Isonychiidae			<i>Isonychia sicca</i>	3	0	0	3
		Tricorythidae			<i>Tricorythodes</i> sp.	201	0	0	3
	Odonata	Coenagrionidae				0	0	0	0
					<i>Argia</i> sp.	4	2	0	1
		Calopterygidae			<i>Hetaerina</i> sp.	0	0	0	0
		Cordullidae				0	0	0	0
					<i>Macromia</i> sp.	1	0	0	0
		Gomphidae				0	0	0	0
					<i>Hagenius brevistylus</i>	0	0	0	0
					<i>Progomphus</i> sp.	1	0	0	0
		Aeshnidae			<i>Boyeria</i> sp.	0	0	0	0
		Zygoptera			<i>Calopteryx</i> sp.	0	0	0	0
		Libellulidae				0	1	0	0
	Plecoptera	Leuctridae				0	0	0	0
		Perlidae				0	0	0	0
					<i>Acroneuria</i> sp.	0	0	0	0
					<i>Neoperla</i> sp.	0	0	0	0
					<i>Perlesta</i> sp.	0	0	0	0
	Hemiptera	Corixidae				0	0	0	0
		Gerridae				0	0	0	0
		Veliidae				0	0	0	0
					<i>Rhagovelia</i> sp.	0	0	3	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	0	0
					<i>Rheumatobates</i> sp.	0	0	0	0
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	0	0	0
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	0	0	0	0
					<i>Corydalus</i> sp.	18	0	3	5
	Trichoptera	Hydropsychidae				0	0	0	0
					<i>Cheumatopsyche</i> sp.	7	0	192	272
					<i>Hydropsyche bidens</i>	0	0	0	0
					<i>Hydropsyche simulans</i>	0	0	0	74
					<i>Hydropsyche</i> sp.	0	0	3	0
					<i>Hydropsyche orris</i>	0	0	0	11

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						LAKE1367	LANG0003	LUCE1280	OYST0039
Insecta—Continued									
			Hydroptilidae			1	0	0	0
					<i>Hydroptila</i> sp.	0	0	0	2
					<i>Mayatrichia</i> sp.	0	0	0	0
					<i>Ochrotrichia</i> sp.	0	0	0	0
			Leptoceridae			0	0	0	0
					<i>Ceraclea</i> sp.	0	0	0	1
					<i>Nectopsyche candida</i>	1	0	0	0
					<i>Oecetis avara</i>	0	0	0	0
					<i>Oectis</i> sp.	3	0	0	0
					<i>Triaenodes</i> sp.	0	0	0	0
			Polycentropodidae			0	0	0	0
					<i>Cyrnellus fraternus</i>	0	0	0	0
					<i>Nyctiophylax moestus</i>	0	0	7	2
					<i>Polycentropus</i> sp.	0	0	0	0
			Philopotamidae			0	0	0	0
			Psychomyiidae			0	0	0	0
					<i>Lype diversa</i>	0	0	0	0
	Lepidoptera					0	0	0	1
			Pyrilidae			0	0	0	0
					<i>Estigmene</i> sp.	0	0	0	0
					<i>Petrophila</i> sp.	0	0	0	0
	Coleoptera		Dytiscidae			0	0	0	0
					<i>Hydaticus</i> sp.	0	0	0	0
			Hydrophilidae			0	0	0	0
					<i>Berosus</i> sp.	0	0	0	0
					<i>Laccobius</i> sp.	0	0	0	0
					<i>Sperchopsis</i> sp.	0	0	0	0
			Elmidae			0	0	0	0
					<i>Ancyronyx variagata</i>	0	0	0	0
					<i>Dubiraphia</i> sp.	9	0	0	0
					<i>Heterelmis</i> sp.	0	0	0	0
					<i>Heterlimnius</i> sp.	0	0	0	0
					<i>Macronychus glabratus</i>	4	0	0	0
					<i>Microcylloepus</i> sp.	0	0	0	0
					<i>Stenelmis</i> sp.	143	0	34	7
			Sciritidae			0	0	0	0
			Gyrinidae			0	0	4	0
					<i>Dineutus</i> sp.	0	0	4	0
					<i>Gyretes</i> sp.	1	0	1	5
					<i>Gyrinus</i> sp.	0	0	0	0
					<i>Helichus</i> sp.	3	0	0	0
			Dryopidae			0	0	0	0
			Hydraenidae			1	0	0	0
					<i>Hydraena</i> sp.	1	0	0	0
			Haliplidae			0	0	0	0
					<i>Peltodytes</i> sp.	0	0	0	0
	Diptera		Athericidae			0	0	0	0
					<i>Atherix</i> sp.	0	0	0	0
			Ceratopogonidae			0	0	0	0
					<i>Atrichopogon</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						LAKE1367	LANG0003	LUCE1280	OYST0039
Insecta—Continued									
					<i>Ceratopogoninae</i>	1	1	0	0
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0	0
		Empididae			<i>Hemerodromia</i> sp.	0	0	0	0
					<i>Pericoma</i> sp.	0	0	0	0
		Psychodidae				0	0	0	0
		Sciaridae				0	0	0	0
		Simuliidae			<i>Simulium</i> sp.	0	0	0	0
		Stratiomyiidae			<i>Odontomyia/</i> <i>Hedriodiscus</i> sp.	0	0	0	0
		Tipulidae				0	0	0	0
					<i>Limonia</i> sp.	0	0	0	0
					<i>Ormosia</i> sp.	0	0	1	0
					<i>Tipula</i> sp.	0	0	0	0
		Chironomidae				0	0	1	0
			Tanypodinae	Procladiini	<i>Procladius</i> sp.	0	0	0	0
				Natarsiini	<i>Natarsia</i> sp.	0	0	0	0
				Pentaneurini		1	0	0	0
					<i>Ablabesmyia</i> sp.	4	0	1	0
					<i>Labrundinia</i> sp.	0	0	0	0
					<i>Larsia</i> sp.	0	2	0	0
					<i>Nilotanytus fimbriatus</i>	1	0	0	0
					<i>Pentaneura</i> sp.	0	0	5	0
					<i>Thienemannimyia</i> gr. sp.	4	4	2	5
					<i>Zavrelimyia</i> sp.	0	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0	0
		Orthocladiinae				1	0	0	0
				Orthocladiini	<i>Cricotopus bicinctus</i> gr.	4	0	1	0
					<i>Cricotopus</i> sp.	9	0	0	3
					<i>Lopescladius</i> sp.	0	0	0	0
					<i>Nanocladius</i> sp.	0	0	0	0
					<i>Orthocladius annectens</i>	0	0	0	0
					<i>Orthocladius complex</i>	0	0	0	0
					<i>Parametricnemus</i> sp.	0	0	0	0
					<i>Pseudosmittia</i> sp.	0	0	0	0
					<i>Rheocricotopus</i> sp.	5	0	0	0
					<i>Tvetenia vitracies</i> gr.	0	0	0	0
					<i>Xylotopus par</i>	0	0	0	0
				Corynoneurini	<i>Thienemanniella</i> sp.	3	0	0	3
		Chironominae		Chironomini		0	0	0	0
					<i>Chironomus</i> sp.	0	23	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						LAKE1367	LANG0003	LUCE1280	OYST0039
Insecta—Continued									
					<i>Cryptochironomus</i> sp.	0	0	0	0
					<i>Dicrotendipes</i> sp.	62	7	0	10
					<i>Endochironomus nigricans</i>	0	0	0	0
					<i>Endochironomus subtendens</i>	0	0	0	0
					<i>Goeldichironomus</i> sp.	0	0	0	0
					<i>Glyptotendipes</i> sp.	0	0	0	0
					<i>Kiefferulus</i> sp.	0	13	0	0
					<i>Microtendipes</i>	0	0	0	0
					<i>rydalensis</i> gr.				
					<i>Nilothauma</i> sp.	0	0	0	0
					<i>Parachironomus</i>	0	0	0	0
					<i>frequens</i> gr.				
					<i>Paracladopelma</i> sp.	0	0	0	0
					<i>Paralauterborniella</i>	0	0	0	0
					<i>nigrohalteris</i>				
					<i>Paratendipes</i> sp.	0	0	0	0
					<i>Polypedilum</i> sp.	31	3	29	2
					<i>Robackia claviger</i>	0	0	0	0
					<i>Robackia demeijerei</i>	0	0	0	0
					<i>Saetheria</i> sp.	0	0	0	0
					<i>Stelechomyia perpulchra</i>	0	0	0	0
					<i>Stenochironomus</i> sp.	0	0	2	5
					<i>Stictochironomus</i> sp.	0	0	0	0
					<i>Tribelos</i> sp.	0	1	1	3
					<i>Xenochironomus xenolabis</i>	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	14	0	0	0
				Tanytarsini		0	0	0	0
					<i>Cladotanytarsus</i> sp.	3	0	1	0
					<i>Micropsectra</i> sp.	0	0	0	0
					<i>Paratanytarsus</i> sp.	0	0	0	0
					<i>Rheotanytarsus</i> sp.	0	0	0	23
					<i>Stempellinella</i> sp.	0	0	0	0
					<i>Tanytarsus</i> sp.	5	0	7	0
	Coleoptera					0	0	0	0
		Staphylinidae				0	0	0	0
		Elateridae				0	0	0	0
	Collembola					0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number				
						PANT0040	SANB0029	SANB0031	SPRB0022	
Fraction sorted						0.6	1	0.8	1	
Nematoda (phylum)						0	0	0	0	
Turbellaria						0	0	0	0	
Acari						0	0	0	1	
Crustacea										
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	26	0	0	0	
			Talitridae			<i>Hyalrella azteca</i>	0	0	0	1
	Decapoda	Cambaridae				0	0	0	0	
			Palaemonidae			<i>Palaemonetes</i> sp.	0	0	0	0
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	0	0	
						<i>Lirceus</i> sp.	0	0	0	5
Bivalvia										
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	0	0	0	0	
			Sphaeriidae				0	0	0	0
Gastropoda										
	Mesogastropoda	Hydrobiidae				0	0	0	14	
						<i>Ammicola</i> sp.	0	0	0	0
	Limnophila	Valvatidae			<i>Valvata</i> sp.	0	0	0	0	
		Ancylidae			<i>Ferrissia</i> sp.	0	0	0	0	
		Lymnaeidae				0	0	0	0	
		Physidae				0	5	0	1	
		Planorbidae				0	0	0	0	
Hirudinea										
	Pharyngobdellida	Erpobdellidae				0	0	0	0	
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	0	1	0	0	
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	1	
Oligochaeta										
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	0	1	0	0	
						<i>Branchiura sowerbyi</i>	0	0	0	0
						<i>Limnodrilus cervix</i>	0	0	0	0
						<i>Limnodrilus hoffmeisteri</i>	0	0	0	2
						<i>Limnodrilus profundicola</i>	0	0	0	0
						<i>Limnodrilus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						PANT0040	SANB0029	SANB0031	SPRB0022
Oligochaeta—Continued									
		Tubificidae w/ setae				0	0	0	0
		Tubificidae w/o setae				0	0	0	4
		Lumbriculidae				0	0	0	5
					<i>Lumbricina</i>	0	0	0	0
		Naididae			<i>Bratislavia unidentata</i>	0	52	2	0
					<i>Dero digitata</i>	0	1	0	5
					<i>Dero furcata</i>	0	0	0	11
					<i>Dero</i> sp.	0	0	0	0
					<i>Haemonais waldvogeli</i>	0	0	0	1
					<i>Nais communis</i>	0	0	0	0
					<i>Nais pardalis</i>	0	0	0	0
					<i>Nais</i> sp.	0	0	0	0
					<i>Pristina</i> sp.	0	6	0	0
					<i>Stephensoniana</i> sp.	0	0	0	0
		Enchytraeidae				0	0	0	0
Insecta									
	Ephemeroptera	Baetidae				2	0	0	0
					<i>Acerpenna pygmaea</i>	9	0	0	0
					<i>Baetis armillatus</i>	0	0	0	0
					<i>Baetis flavistriga</i>	0	0	0	0
					<i>Baetis intercalaris</i>	48	0	0	0
					<i>Baetis</i> sp.	0	0	0	0
					<i>Callibaetis ferrugineus</i>	0	0	0	0
					<i>Centroptilum</i> sp.	0	0	0	0
					<i>Fallceon quilleri</i>	2	0	0	0
					<i>Labiobaetis epphiatus</i>	17	0	0	0
					<i>Labiobaetis longipalpus</i>	0	0	0	0
					<i>Labiobaetis propinquus</i>	0	0	0	0
					<i>Labiobaetis</i> sp.	0	0	1	0
					<i>Paracloeodes minutus</i>	0	0	0	0
					<i>Procloeon</i> sp.	14	0	0	0
		Caenidae			<i>Brachycercus flavus</i>	2	2	0	0
					<i>Caenis hilaris</i>	3	21	0	0
					<i>Caenis latipennis</i>	0	52	0	86
					<i>Caenis</i> sp.	0	0	0	0
		Tricorythidae			<i>Leptohyphes dolani</i>	0	0	0	0
		Ephemeridae			<i>Hexagenia</i> sp.	0	0	0	0
					<i>Pentagenia</i> sp.	0	0	0	0
		Heptageniidae				0	0	0	3

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						PANT0040	SANB0029	SANB0031	SPRB0022
Insecta—Continued									
					<i>Leucrocuta</i> sp.	0	0	0	0
					<i>Stenacron</i> sp.	2	31	0	2
					<i>Stenonema exiguum</i>	17	0	0	0
					<i>Stenonema</i> sp.	129	0	0	0
		Leptophlebiidae				0	0	0	0
					<i>Choroerpes</i> sp.	0	0	0	0
					<i>Paraleptophlebia</i> sp.	0	0	0	0
		Isonychiidae			<i>Isonychia sicca</i>	7	0	0	0
		Tricorythidae			<i>Tricorythodes</i> sp.	15	4	0	0
	Odonata	Coenagrionidae				0	0	0	0
					<i>Argia</i> sp.	2	3	0	0
		Calopterygidae			<i>Hetaerina</i> sp.	0	0	0	0
		Corduliidae				0	0	0	0
					<i>Macromia</i> sp.	0	0	0	0
		Gomphidae				0	1	0	0
					<i>Hagenius brevistylus</i>	0	0	0	0
					<i>Progomphus</i> sp.	0	2	0	0
		Aeshnidae			<i>Boyeria</i> sp.	2	0	0	0
		Zygoptera			<i>Calopteryx</i> sp.	0	0	0	0
		Libellulidae				0	0	0	0
	Plecoptera	Leuctridae				0	0	0	0
		Perlidae				0	0	0	0
					<i>Acroneuria</i> sp.	0	0	0	0
					<i>Neoperla</i> sp.	0	0	0	0
					<i>Perlesta</i> sp.	0	0	0	0
	Hemiptera	Corixidae				0	0	0	1
		Gerridae				0	0	5	0
		Veliidae				0	0	0	0
					<i>Rhagovelia</i> sp.	0	0	0	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	1	0
					<i>Rheumatobates</i> sp.	0	0	0	0
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	23	0	0
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	0	0	0	0
					<i>Corydalus</i> sp.	9	0	0	0
	Trichoptera	Hydropsychidae				0	0	0	0
					<i>Cheumatopsyche</i> sp.	108	0	0	1
					<i>Hydropsyche bidens</i>	0	0	0	0
					<i>Hydropsyche simulans</i>	224	0	1	0
					<i>Hydropsyche</i> sp.	0	0	0	0
					<i>Hydropsyche orris</i>	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						PANT0040	SANB0029	SANB0031	SPRB0022
Insecta—Continued									
		Hydroptilidae				0	0	0	0
					<i>Hydroptila</i> sp.	0	0	0	0
					<i>Mayatrichia</i> sp.	0	0	0	0
					<i>Ochrotrichia</i> sp.	0	0	0	0
		Leptoceridae				0	1	0	1
					<i>Ceraclea</i> sp.	0	1	0	0
					<i>Nectopsyche candida</i>	0	0	0	0
					<i>Oectis avara</i>	0	0	0	0
					<i>Oectis</i> sp.	0	0	0	0
					<i>Triaenodes</i> sp.	0	0	0	0
		Polycentropodidae				0	0	0	0
					<i>Cynnellus fraternus</i>	0	0	0	0
					<i>Nyctiophylax moestus</i>	2	3	0	0
					<i>Polycentropus</i> sp.	0	0	0	0
		Philopotamidae				0	0	0	0
		Psychomyiidae				0	0	0	0
					<i>Chimarra</i> sp.	0	0	0	0
					<i>Lype diversa</i>	0	0	0	0
	Lepidoptera					0	2	0	0
		Pyralidae				0	0	0	0
					<i>Estigmene</i> sp.	0	0	0	0
					<i>Petrophila</i> sp.	0	0	0	0
	Coleoptera	Dytiscidae				0	2	0	0
					<i>Hydaticus</i> sp.	0	0	0	1
		Hydrophilidae				0	0	0	0
					<i>Berosus</i> sp.	0	1	0	0
					<i>Laccobius</i> sp.	0	0	0	0
					<i>Sperchopsis</i> sp.	0	0	0	0
		Elmidae				0	0	0	0
					<i>Ancyronyx variagata</i>	0	0	0	0
					<i>Dubiraphia</i> sp.	0	1	0	0
					<i>Heterelmis</i> sp.	0	0	0	0
					<i>Heterlimnius</i> sp.	0	0	0	0
					<i>Macronychus glabratus</i>	12	0	0	0
					<i>Microcylloepus</i> sp.	0	0	0	0
					<i>Stenelmis</i> sp.	88	15	1	9
		Scirtidae				0	1	0	1
		Gyrinidae				2	0	0	0
					<i>Dineutus</i> sp.	2	0	0	0
					<i>Gyretes</i> sp.	2	1	0	0
					<i>Gyrinus</i> sp.	0	0	0	0
					<i>Helichus</i> sp.	2	0	0	0
		Dryopidae				2	0	0	0
		Hydraenidae				0	0	0	0
					<i>Hydraena</i> sp.	0	0	0	0
		Haliplidae				0	0	0	0
					<i>Peltodytes</i> sp.	0	0	0	0
	Diptera	Athericidae				0	0	0	0
					<i>Atherix</i> sp.	0	0	0	0
		Ceratopogonidae				0	0	0	0
					<i>Atrichopogon</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						PANT0040	SANB0029	SANB0031	SPRB0022
Insecta—Continued									
					<i>Ceratopogoninae</i>	2	4	1	0
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0	1
		Empididae			<i>Hemerodromia</i> sp.	0	0	0	0
					<i>Pericoma</i> sp.	2	0	0	0
		Psychodidae				0	0	0	0
		Sciaridae				0	0	0	0
		Simuliidae			<i>Simulium</i> sp.	0	0	0	0
		Stratiomyiidae			<i>Odontomyia/</i> <i>Hedriodiscus</i> sp.	0	0	0	0
		Tipulidae				0	0	0	0
					<i>Limonia</i> sp.	0	0	0	0
					<i>Ormosia</i> sp.	0	0	0	1
					<i>Tipula</i> sp.	0	0	0	0
		Chironomidae				0	0	0	0
			Tanypodinae	Procladiini	<i>Procladius</i> sp.	0	0	0	1
				Natarsiini	<i>Natarsia</i> sp.	0	0	0	1
				Pentaneurini		0	0	0	0
					<i>Ablabesmyia</i> sp.	0	17	6	16
					<i>Labrundinia</i> sp.	0	0	0	0
					<i>Larsia</i> sp.	0	0	0	0
					<i>Nilotanytus fimbriatus</i>	2	0	0	0
					<i>Pentaneura</i> sp.	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	10	0	0	0
					<i>Zavrelimyia</i> sp.	0	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0	1
		Orthoclaadiinae		Orthoclaadiini		0	0	0	0
					<i>Cricotopus bicinctus</i> gr.	0	0	0	0
					<i>Cricotopus</i> sp.	0	0	0	0
					<i>Lopescladius</i> sp.	0	0	0	0
					<i>Nanocladius</i> sp.	0	0	0	0
					<i>Orthocladus annectens</i>	0	0	0	0
					<i>Orthocladus complex</i>	0	0	0	0
					<i>Parametriocnemus</i> sp.	0	0	0	0
					<i>Pseudosmittia</i> sp.	0	0	0	0
					<i>Rheocricotopus</i> sp.	10	0	0	0
					<i>Tvetenia vitracies</i> gr.	0	0	0	0
					<i>Xylotopus par</i>	0	0	0	0
				Corynoneurini	<i>Thienemanniella</i> sp.	0	0	0	0
		Chironominae		Chironomini		0	0	0	2
					<i>Chironomus</i> sp.	0	0	399	35

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						PANT0040	SANB0029	SANB0031	SPRB0022
Insecta—Continued									
					<i>Cryptochironomus</i> sp.	0	2	0	2
					<i>Dicrotendipes</i> sp.	2	22	30	14
					<i>Endochironomus nigricans</i>	0	0	0	0
					<i>Endochironomus subtendens</i>	0	1	0	0
					<i>Goeldichironomus</i> sp.	0	3	0	42
					<i>Glyptotendipes</i> sp.	0	4	0	0
					<i>Kiefferulus</i> sp.	0	0	0	40
					<i>Microtendipes rydalensis</i> gr.	0	0	0	0
					<i>Nilothauma</i> sp.	0	0	0	0
					<i>Parachironomus frequens</i> gr.	0	0	0	0
					<i>Paracladopelma</i> sp.	0	0	0	0
					<i>Paralauterborniella nigrohalteris</i>	0	0	0	0
					<i>Paratendipes</i> sp.	0	0	0	0
					<i>Polypedilum</i> sp.	110	1	60	41
					<i>Robackia claviger</i>	0	0	0	0
					<i>Robackia demeijerei</i>	0	0	0	0
					<i>Saetheria</i> sp.	0	0	0	0
					<i>Stelechomyia perpulchra</i>	2	0	0	0
					<i>Stenochironomus</i> sp.	31	3	0	1
					<i>Stictochironomus</i> sp.	0	0	0	0
					<i>Tribelos</i> sp.	2	18	95	107
					<i>Xenochironomus xenolabis</i>	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	0	11	0	0
				Tanytarsini		0	0	0	0
					<i>Cladotanytarsus</i> sp.	0	0	0	0
					<i>Micropsectra</i> sp.	0	0	0	0
					<i>Paratanytarsus</i> sp.	0	0	0	0
					<i>Rheotanytarsus</i> sp.	2	0	0	1
					<i>Stempellinella</i> sp.	0	0	0	0
					<i>Tanytarsus</i> sp.	0	2	6	21
	Coleoptera					0	1	0	0
		Staphylinidae				0	0	0	0
		Elateridae				0	0	0	0
	Collembola					0	0	0	1

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number				
						SPRI0023	SPRI8500	SPRI8500	SPRI0024	
Fraction sorted						1	1	1	1	
Nematoda (phylum)						1	0	0	0	
Turbellaria						0	0	0	0	
Acari						1	0	0	0	
Crustacea										
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	0	0	0	4	
			Talitridae			<i>Hyaella azteca</i>	0	0	0	0
	Decapoda	Cambaridae				0	0	0	0	
			Palaemonidae			<i>Palaemonetes</i> sp.	0	0	0	0
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	0	0	
						<i>Lirceus</i> sp.	0	0	0	0
Bivalvia										
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	0	0	0	0	
			Sphaeriidae				0	0	0	0
Gastropoda										
	Mesogastropoda	Hydrobiidae				0	0	0	0	
						<i>Amnicola</i> sp.	0	0	0	0
	Limnophila	Valvatidae			<i>Valvata</i> sp.	0	0	0	0	
			Ancylidae			<i>Ferrissia</i> sp.	0	0	0	
			Lymnaeidae				0	0	1	0
			Physidae				0	0	0	0
			Planorbidae				0	1	0	0
Hirudinea										
	Pharyngobdellida	Erpobdellidae				0	0	0	0	
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	0	0	0	0	
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	0	
Oligochaeta										
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	0	0	1	0	
						<i>Branchiura sowerbyi</i>	0	2	1	0
						<i>Limnodrilus cervix</i>	0	0	0	0
						<i>Limnodrilus hoffmeisteri</i>	0	0	0	0
						<i>Limnodrilus profundicola</i>	0	0	0	0
						<i>Limnodrilus</i> sp.	0	0	3	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						SPRI0023	SPRI8500	SPRI8500	SPRI0024
Oligochaeta—Continued									
		Tubificidae w/ setae				0	0	2	0
		Tubificidae w/o setae				0	5	3	0
		Lumbriculidae				0	0	0	0
					<i>Lumbricina</i>	0	2	0	0
		Naididae			<i>Bratislavia unidentata</i>	0	0	0	0
					<i>Dero digitata</i>	0	0	0	0
					<i>Dero furcata</i>	0	0	0	2
					<i>Dero</i> sp.	0	0	0	0
					<i>Haemonais waldvogeli</i>	0	0	0	0
					<i>Nais communis</i>	0	0	0	1
					<i>Nais pardalis</i>	0	0	0	0
					<i>Nais</i> sp.	0	0	0	0
					<i>Pristina</i> sp.	0	0	0	0
					<i>Stephensoniana</i> sp.	0	0	0	0
		Enchytraeidae				0	0	0	0
Insecta									
	Ephemeroptera	Baetidae				1	0	2	0
					<i>Acerpenna pygmaea</i>	0	1	1	2
					<i>Baetis armillatus</i>	0	0	0	0
					<i>Baetis flavistriga</i>	0	0	0	10
					<i>Baetis intercalaris</i>	29	6	3	0
					<i>Baetis</i> sp.	0	0	0	0
					<i>Callibaetis ferrugineus</i>	0	0	2	0
					<i>Centroptilum</i> sp.	0	1	0	1
					<i>Fallceon quilleri</i>	65	9	16	0
					<i>Labiobaetis epphipiatus</i>	3	0	0	0
					<i>Labiobaetis longipalpus</i>	0	0	0	0
					<i>Labiobaetis propinquus</i>	0	0	0	2
					<i>Labiobaetis</i> sp.	0	1	0	0
					<i>Paracloeodes minutus</i>	0	0	0	0
					<i>Procloeon</i> sp.	14	1	0	5
		Caenidae			<i>Brachycercus flavus</i>	0	0	0	0
					<i>Caenis hilaris</i>	0	0	0	0
					<i>Caenis latipennis</i>	0	4	0	0
					<i>Caenis</i> sp.	3	0	2	0
		Tricorythidae			<i>Leptohyphes dolani</i>	0	0	0	0
		Ephemeridae			<i>Hexagenia</i> sp.	0	0	0	0
					<i>Pentagenia</i> sp.	0	0	0	0
		Heptageniidae				0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						SPRI0023	SPRI8500	SPRI8500	SPRI0024
Insecta—Continued									
					<i>Leucrocuta</i> sp.	0	0	0	0
					<i>Stenacron</i> sp.	0	2	2	24
					<i>Stenonema exiguum</i>	4	0	1	1
					<i>Stenonema</i> sp.	10	8	0	6
		Leptophlebiidae				0	0	0	0
					<i>Choroterpes</i> sp.	0	0	0	0
					<i>Paraleptophlebia</i> sp.	0	0	0	0
		Isonychiidae			<i>Isonychia sicca</i>	0	1	0	1
		Tricorythidae			<i>Tricorythodes</i> sp.	16	20	7	9
	Odonata	Coenagrionidae				0	0	0	0
					<i>Argia</i> sp.	0	2	0	0
		Calopterygidae			<i>Hetaerina</i> sp.	1	0	0	0
		Corduliidae				0	0	0	0
					<i>Macromia</i> sp.	0	0	0	0
		Gomphidae				0	0	0	0
					<i>Hagenius brevistylus</i>	0	0	0	0
					<i>Progomphus</i> sp.	0	0	0	0
		Aeshnidae			<i>Boyeria</i> sp.	0	0	0	0
		Zygoptera			<i>Calopteryx</i> sp.	0	0	0	0
		Libellulidae				0	0	0	0
	Plecoptera	Leuctridae				0	0	0	0
		Perlidae				0	0	0	0
					<i>Acroneuria</i> sp.	0	0	0	0
					<i>Neoperla</i> sp.	0	0	0	0
					<i>Perlesta</i> sp.	0	0	0	0
	Hemiptera	Corixidae				0	0	0	0
		Gerridae				0	0	0	0
		Veliidae				0	0	0	0
					<i>Rhagovelia</i> sp.	0	0	0	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	0	0
					<i>Rheumatobates</i> sp.	0	0	0	0
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	0	0	0
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	0	0	0	0
					<i>Corydalus</i> sp.	3	1	0	4
	Trichoptera	Hydropsychidae				0	0	0	0
					<i>Cheumatopsyche</i> sp.	36	38	12	42
					<i>Hydropsyche bidens</i>	0	0	0	0
					<i>Hydropsyche simulans</i>	51	65	11	78
					<i>Hydropsyche</i> sp.	0	0	0	1
					<i>Hydropsyche orris</i>	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						SPRI0023	SPRI8500	SPRI8500	SPRI0024
Insecta—Continued									
			Hydroptilidae			1	0	0	0
					<i>Hydroptila</i> sp.	0	0	0	0
					<i>Mayatrichia</i> sp.	0	0	0	0
					<i>Ochrotrichia</i> sp.	0	0	0	0
			Leptoceridae			1	0	0	0
					<i>Ceraclea</i> sp.	0	0	0	0
					<i>Nectopsyche candida</i>	0	0	0	0
					<i>Oecetis avara</i>	0	0	0	0
					<i>Oectis</i> sp.	0	0	0	0
					<i>Trienodes</i> sp.	0	0	0	0
			Polycentropodidae			0	0	0	0
					<i>Cyrnellus fraternus</i>	0	0	0	0
					<i>Nyctiophylax moestus</i>	0	0	0	1
					<i>Polycentropus</i> sp.	0	0	0	0
			Philopotamidae		<i>Chimarra</i> sp.	0	0	0	0
			Psychomyiidae		<i>Lype diversa</i>	0	0	0	0
	Lepidoptera					0	0	0	0
			Pyalidae			0	0	0	0
					<i>Estigmene</i> sp.	0	0	0	0
					<i>Petrophila</i> sp.	0	0	0	0
	Coleoptera		Dytiscidae			0	1	0	0
					<i>Hydaticus</i> sp.	0	0	0	0
			Hydrophilidae			0	0	0	0
					<i>Berosus</i> sp.	0	0	0	0
					<i>Laccobius</i> sp.	0	1	0	0
					<i>Sperchopsis</i> sp.	0	0	0	0
			Elmidae			26	7	2	2
					<i>Ancyronyx variagata</i>				
					<i>Dubiraphia</i> sp.	0	0	0	0
					<i>Heterelmis</i> sp.	0	0	0	0
					<i>Heterlimnius</i> sp.	0	0	0	0
					<i>Macronychus glabratus</i>	16	3	3	1
					<i>Microcylloepus</i> sp.	0	0	0	0
					<i>Stenelmis</i> sp.	14	14	10	22
			Sciritidae		<i>Cyphon</i> sp.	0	0	0	0
			Gyrinidae			0	0	0	0
					<i>Dineutus</i> sp.	0	0	0	0
					<i>Gyretes</i> sp.	0	0	1	2
					<i>Gyrinus</i> sp.	0	0	0	0
			Dryopidae		<i>Helichus</i> sp.	0	0	0	0
			Hydraenidae		<i>Hydraena</i> sp.	0	0	0	1
			Haliplidae		<i>Pelodytes</i> sp.	0	0	0	0
	Diptera		Athericidae		<i>Atherix</i> sp.	0	0	0	0
			Ceratopogonidae		<i>Atrichopogon</i> sp.	0	0	1	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						SPRI0023	SPRI8500	SPRI8500	SPRI0024
Insecta—Continued									
					<i>Ceratopogoninae</i>	0	1	0	1
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0	0
		Empididae			<i>Hemerodromia</i> sp.	0	0	0	0
					<i>Hemerodromia</i> sp.	7	3	0	0
		Psychodidae			<i>Pericoma</i> sp.	0	0	0	0
		Sciaridae				0	0	0	0
		Simuliidae			<i>Simulium</i> sp.	8	0	0	1
		Stratiomyiidae			<i>Odontomyia/</i>	0	0	0	0
					<i>Hedriodiscus</i> sp.				
		Tipulidae				0	0	0	0
					<i>Limonia</i> sp.	0	0	0	0
					<i>Ormosia</i> sp.	0	1	0	0
					<i>Tipula</i> sp.	0	0	0	0
		Chironomidae				0	0	0	0
			Tanypodinae	Procladiini	<i>Procladius</i> sp.	0	0	0	0
				Natarsiini	<i>Natarsia</i> sp.	0	0	0	0
				Pentaneurini		0	0	0	0
					<i>Ablabesmyia</i> sp.	0	7	7	3
					<i>Labrundinia</i> sp.	0	0	0	0
					<i>Larsia</i> sp.	0	0	0	0
					<i>Nilotanypus fimbriatus</i>	0	0	0	4
					<i>Pentaneura</i> sp.	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	59	53	70	9
					<i>Zavrelimyia</i> sp.	0	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0	0
		Orthoclaadiinae				0	0	0	0
				Orthoclaadiini	<i>Cricotopus bicinctus</i> gr.	5	0	0	1
					<i>Cricotopus</i> sp.	0	0	0	0
					<i>Lopescladius</i> sp.	0	0	0	0
					<i>Nanocladius</i> sp.	0	0	0	0
					<i>Orthoclaadius annectens</i>	0	0	0	0
					<i>Orthoclaadius complex</i>	0	0	0	0
					<i>Parametricnemus</i> sp.	0	0	0	0
					<i>Pseudosmittia</i> sp.	0	0	0	0
					<i>Rheocricotopus</i> sp.	7	7	21	12
					<i>Tvetenia vitracies</i> gr.	0	0	0	0
					<i>Xylotopus par</i>	0	0	0	0
				Corynoneurini	<i>Thienemanniella</i> sp.	0	0	0	2
		Chironominae		Chironomini		0	0	0	0
					<i>Chironomus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						SPRI0023	SPRI8500	SPRI8500	SPRI0024
Insecta—Continued									
					<i>Cryptochironomus</i> sp.	0	0	0	0
					<i>Dicrotendipes</i> sp.	45	36	45	6
					<i>Endochironomus nigricans</i>	0	0	0	0
					<i>Endochironomus subtendens</i>	0	0	0	0
					<i>Goeldichironomus</i> sp.	0	0	0	0
					<i>Glyptotendipes</i> sp.	0	0	0	0
					<i>Kiefferulus</i> sp.	0	0	3	0
					<i>Microtendipes rydalis</i> gr.	0	0	0	0
					<i>Nilothauma</i> sp.	0	0	0	0
					<i>Parachironomus frequens</i> gr.	0	0	0	0
					<i>Paracladopelma</i> sp.	0	0	0	0
					<i>Paralauterborniella nigrohalteris</i>	0	0	0	0
					<i>Paratendipes</i> sp.	0	0	0	0
					<i>Polypedilum</i> sp.	56	205	174	98
					<i>Robackia claviger</i>	0	0	0	0
					<i>Robackia demejerei</i>	0	0	0	0
					<i>Saetheria</i> sp.	0	0	0	0
					<i>Stelechomyia perpulchra</i>	0	0	0	0
					<i>Stenochironomus</i> sp.	18	13	7	4
					<i>Stictochironomus</i> sp.	0	0	0	0
					<i>Tribelos</i> sp.	0	7	3	1
					<i>Xenochironomus xenolabis</i>	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	0	0	0	0
				Tanytarsini		0	0	0	0
					<i>Cladotanytarsus</i> sp.	0	0	0	0
					<i>Micropsectra</i> sp.	0	0	0	0
					<i>Paratanytarsus</i> sp.	0	0	0	0
					<i>Rheotanytarsus</i> sp.	20	0	7	6
					<i>Stempellinella</i> sp.	0	0	0	0
					<i>Tanytarsus</i> sp.	16	7	7	5
	Coleoptera					0	0	0	0
		Staphylinidae				0	0	0	3
		Elateridae				0	0	0	0
	Collembola					0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number				
						SPRI0027	WALN0026	WFSJ8090	WFSJ0010	
Fraction sorted						1	1	0.2	1	
Nematoda (phylum)						0	0	0	0	
Turbellaria						1	0	0	0	
Acari						0	0	0	1	
Crustacea										
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	0	0	0	1	
			Talitridae			<i>Hyalella azteca</i>	6	0	0	33
	Decapoda	Cambaridae				0	0	0	0	
		Palaemonidae			<i>Palaemonetes</i> sp.	0	1	0	1	
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	0	0	
						<i>Lirceus</i> sp.	0	0	0	0
Bivalvia										
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	0	0	0	0	
			Sphaeriidae				1	2	0	0
Gastropoda										
	Mesogastropoda	Hydrobiidae				0	0	0	0	
						<i>Annicola</i> sp.	0	0	0	0
	Limnophila	Valvatidae			<i>Valvata</i> sp.	0	0	0	0	
		Ancylidae			<i>Ferrissia</i> sp.	0	0	0	0	
		Lymnaeidae				0	0	0	0	
		Physidae				0	2	0	0	
		Planorbidae				0	0	0	0	
Hirudinea										
	Pharyngobdellida	Erpobdellidae				0	0	0	0	
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	1	0	0	0	
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	0	
Oligochaeta										
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	0	0	0	0	
						<i>Branchiura sowerbyi</i>	0	0	0	0
						<i>Limnodrilus cervix</i>	0	0	0	0
						<i>Limnodrilus hoffmeisteri</i>	0	0	0	0
						<i>Limnodrilus profundicola</i>	0	0	0	0
						<i>Limnodrilus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						SPRI0027	WALN0026	WFSJ8090	WFSJ0010
Oligochaeta—Continued									
		Tubificidae				0	0	0	0
		Tubificidae				0	1	0	1
		Lumbriculidae				0	0	0	0
					<i>Lumbricina</i>	1	3	0	0
		Naididae			<i>Bratislavia unidentata</i>	0	0	0	0
					<i>Dero digitata</i>	0	0	0	0
					<i>Dero furcata</i>	0	0	0	0
					<i>Dero</i> sp.	0	0	0	0
					<i>Haemonais waldvogeli</i>	0	0	0	0
					<i>Nais communis</i>	0	0	0	0
					<i>Nais pardalis</i>	0	0	5	0
					<i>Nais</i> sp.	0	0	0	0
					<i>Pristina</i> sp.	0	0	0	0
					<i>Stephensoniana</i> sp.	0	0	0	0
		Enchytraeidae				0	0	0	0
Insecta									
	Ephemeroptera	Baetidae				0	4	0	0
					<i>Acerpenna pygmaea</i>	15	12	0	1
					<i>Baetis armillatus</i>	0	0	0	0
					<i>Baetis flavistriga</i>	0	0	0	0
					<i>Baetis intercalaris</i>	45	18	119	0
					<i>Baetis</i> sp.	0	0	0	0
					<i>Callibaetis ferrugineus</i>	0	0	0	0
					<i>Centroptilum</i> sp.	0	1	0	0
					<i>Fallceon quilleri</i>	0	0	0	0
					<i>Labiobaetis epphiatus</i>	0	0	71	0
					<i>Labiobaetis longipalpus</i>	0	0	405	0
					<i>Labiobaetis propinquus</i>	0	4	0	0
					<i>Labiobaetis</i> sp.	1	0	0	0
					<i>Paracloeodes minutus</i>	0	0	0	0
					<i>Procloeon</i> sp.	0	5	33	2
		Caenidae			<i>Brachycercus flavus</i>	0	0	0	0
					<i>Caenis hilaris</i>	0	4	24	0
					<i>Caenis latipennis</i>	8	2	0	12
					<i>Caenis</i> sp.	8	0	0	0
		Tricorythidae			<i>Leptohyphes dolani</i>	0	0	0	0
		Ephemeridae			<i>Hexagenia</i> sp.	0	0	0	0
					<i>Pentagenia</i> sp.	0	0	0	3
		Heptageniidae				0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						SPRI0027	WALN0026	WFSJ8090	WFSJ0010
Insecta—Continued									
					<i>Leucrocuta</i> sp.	0	0	0	0
					<i>Stenacron</i> sp.	15	40	0	38
					<i>Stenonema exiguum</i>	0	0	38	0
					<i>Stenonema</i> sp.	2	3	181	4
		Leptophlebiidae				0	0	0	0
					<i>Choroterpes</i> sp.	0	0	0	0
					<i>Paraleptophlebia</i> sp.	0	0	0	0
		Isonychiidae			<i>Isonychia sicca</i>	0	0	0	0
		Tricorythidae			<i>Tricorythodes</i> sp.	0	0	528	0
	Odonata	Coenagrionidae				0	0	0	0
					<i>Argia</i> sp.	0	2	0	6
		Calopterygidae			<i>Hetaerina</i> sp.	0	0	0	0
		Cordullidae				0	0	0	0
					<i>Macromia</i> sp.	0	0	0	0
		Gomphidae				0	1	0	0
					<i>Hagenius brevistylus</i>	0	0	0	0
					<i>Progomphus</i> sp.	0	0	0	0
		Aeshnidae			<i>Boyeria</i> sp.	0	1	0	0
		Zygoptera			<i>Calopteryx</i> sp.	0	1	0	0
		Libellulidae				0	0	0	1
	Plecoptera	Leuctridae				0	0	0	0
		Perlidae				0	0	0	0
					<i>Acroneuria</i> sp.	0	0	0	0
					<i>Neoperla</i> sp.	0	0	0	0
					<i>Perlesta</i> sp.	0	0	0	0
	Hemiptera	Corixidae				0	0	0	0
		Gerridae				0	0	0	0
		Veliidae				0	0	0	0
					<i>Rhagovelia</i> sp.	0	0	0	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	0	0
					<i>Rheumatobates</i> sp.	0	0	0	1
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	0	0	0
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	0	0	0	0
					<i>Corydalus</i> sp.	0	0	33	0
	Trichoptera	Hydropsychidae				0	0	0	0
					<i>Cheumatopsyche</i> sp.	226	22	0	3
					<i>Hydropsyche bidens</i>	0	0	19	0
					<i>Hydropsyche simulans</i>	0	0	700	0
					<i>Hydropsyche</i> sp.	1	0	0	0
					<i>Hydropysche orris</i>	0	0	38	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						SPRI0027	WALN0026	WFSJ8090	WFSJ0010
Insecta—Continued									
		Hydroptilidae				0	0	0	0
					<i>Hydroptila</i> sp.	0	0	0	0
					<i>Mayatrichia</i> sp.	0	0	0	0
					<i>Ochrotrichia</i> sp.	0	0	0	0
		Leptoceridae				0	0	0	0
					<i>Ceraclea</i> sp.	0	0	0	0
					<i>Nectopsyche candida</i>	0	0	0	0
					<i>Oectis avara</i>	0	0	0	0
					<i>Oectis</i> sp.	0	0	5	0
					<i>Triaenodes</i> sp.	0	0	0	0
		Polycentropodidae				0	0	0	0
					<i>Cyrnellus fraternus</i>	0	0	0	0
					<i>Nyctiophylax moestus</i>	0	0	0	1
					<i>Polycentropus</i> sp.	0	0	0	1
		Philopotamidae				0	0	0	0
		Psychomyiidae				0	0	0	0
					<i>Lype diversa</i>	0	0	0	0
	Lepidoptera					0	1	0	0
		Pyrilidae				0	0	0	0
					<i>Estigmene</i> sp.	0	0	0	0
					<i>Petrophila</i> sp.	0	0	0	0
	Coleoptera	Dytiscidae				0	1	0	2
					<i>Hydaticus</i> sp.	0	0	0	0
		Hydrophilidae				0	0	0	0
					<i>Berosus</i> sp.	0	0	0	0
					<i>Laccobius</i> sp.	0	0	0	0
					<i>Sperchopsis</i> sp.	0	0	0	0
		Elmidae				0	0	0	3
					<i>Ancyronyx variagata</i>	0	0	0	3
					<i>Dubiraphia</i> sp.	0	0	0	0
					<i>Heterelmis</i> sp.	0	0	0	0
					<i>Heterlimnius</i> sp.	0	0	0	0
					<i>Macronychus glabratus</i>	0	0	24	0
					<i>Microcylloepus</i> sp.	0	0	0	0
					<i>Stenelmis</i> sp.	12	12	14	4
		Sciritidae				0	1	0	10
		Gyrinidae				3	3	0	0
					<i>Dineutus</i> sp.	3	3	0	0
					<i>Gyretes</i> sp.	0	0	0	0
					<i>Gyrinus</i> sp.	1	2	0	0
		Dryopidae				0	14	0	0
		Hydraenidae				0	0	0	0
					<i>Hydraena</i> sp.	0	0	0	0
		Haliplidae				0	0	0	0
					<i>Peltodytes</i> sp.	0	0	0	0
	Diptera	Athericidae				0	0	0	0
					<i>Atherix</i> sp.	0	0	0	0
		Ceratopogonidae				1	0	0	0
					<i>Atrichopogon</i> sp.	1	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						SPRI0027	WALN0026	WFSJ8090	WFSJ0010
Insecta—Continued									
					<i>Ceratopogoninae</i>	0	1	0	0
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0	0
		Empididae			<i>Hemerodromia</i> sp.	0	0	14	0
		Psychodidae			<i>Pericoma</i> sp.	0	0	0	0
		Sciaridae				0	0	0	0
		Simuliidae			<i>Simulium</i> sp.	70	3	0	0
		Stratiomyiidae			<i>Odontomyia/</i> <i>Hedriodiscus</i> sp.	0	0	0	0
		Tipulidae				0	0	0	0
					<i>Limonia</i> sp.	0	0	0	0
					<i>Ormosia</i> sp.	0	0	0	0
					<i>Tipula</i> sp.	0	0	0	0
		Chironomidae				0	0	0	0
			Tanypodinae	Procladiini	<i>Procladius</i> sp.	0	0	0	0
				Natarsiini	<i>Natarsia</i> sp.	0	0	0	0
				Pentaneurini		0	1	0	0
					<i>Ablabesmyia</i> sp.	2	6	0	9
					<i>Labrundinia</i> sp.	0	0	0	0
					<i>Larsia</i> sp.	0	0	0	0
					<i>Nilotanypus fimbriatus</i>	0	0	0	0
					<i>Pentaneura</i> sp.	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	11	4	0	0
					<i>Zavrelimyia</i> sp.	0	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0	0
		Orthocladiinae				0	0	5	0
				Orthocladiini	<i>Cricotopus bicinctus</i> gr.	0	0	0	0
					<i>Cricotopus</i> sp.	0	0	33	0
					<i>Lopescladius</i> sp.	0	0	0	0
					<i>Nanocladius</i> sp.	0	0	0	0
					<i>Orthocladius annectens</i>	0	0	0	0
					<i>Orthocladius complex</i>	0	0	0	0
					<i>Parametricnemus</i> sp.	0	0	0	0
					<i>Pseudosmittia</i> sp.	0	0	0	0
					<i>Rheocricotopus</i> sp.	0	1	0	0
					<i>Tvetenia vitracies</i> gr.	0	0	0	0
					<i>Xylotopus par</i>	0	0	0	0
				Corynoneurini	<i>Thienemanniella</i> sp.	0	0	5	0
		Chironominae		Chironomini		0	0	0	0
					<i>Chironomus</i> sp.	0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						SPRI0027	WALN0026	WFSJ8090	WFSJ0010
Insecta—Continued									
					<i>Cryptochironomus</i> sp.	0	2	0	0
					<i>Dicrotendipes</i> sp.	0	0	14	42
					<i>Endochironomus nigricans</i>	0	0	0	0
					<i>Endochironomus subtendens</i>	0	0	0	0
					<i>Goeldichironomus</i> sp.	0	0	0	0
					<i>Glyptotendipes</i> sp.	0	0	0	0
					<i>Kiefferulus</i> sp.	0	0	0	0
					<i>Microtendipes</i>	0	0	0	0
					<i>rydalensis</i> gr.				
					<i>Nilothauma</i> sp.	0	0	0	0
					<i>Parachironomus</i>	0	0	0	0
					<i>frequens</i> gr.				
					<i>Paracladopelma</i> sp.	0	1	5	0
					<i>Paralauterborniella</i>	0	0	0	0
					<i>nigrohalteris</i>				
					<i>Paratendipes</i> sp.	0	0	0	0
					<i>Polypedilum</i> sp.	37	22	81	21
					<i>Robackia claviger</i>	0	0	5	0
					<i>Robackia demeijerei</i>	0	0	0	0
					<i>Saetheria</i> sp.	0	0	0	0
					<i>Stelechomyia perpulchra</i>	0	0	14	0
					<i>Stenochironomus</i> sp.	14	25	5	32
					<i>Stictochironomus</i> sp.	0	0	0	0
					<i>Tribelos</i> sp.	0	0	5	67
					<i>Xenochironomus xenolabis</i>	0	0	0	4
				Pseudochironomini	<i>Pseudochironomus</i> sp.	0	0	5	4
				Tanytarsini		1	0	0	0
					<i>Cladotanytarsus</i> sp.	0	0	0	0
					<i>Micropsectra</i> sp.	0	0	0	0
					<i>Paratanytarsus</i> sp.	0	0	0	0
					<i>Rheotanytarsus</i> sp.	14	2	57	0
					<i>Stempellinella</i> sp.	0	0	0	0
					<i>Tanytarsus</i> sp.	1	3	10	0
	Coleoptera					0	0	0	0
		Staphylinidae				0	0	0	0
		Elateridae				0	0	0	0
	Collembola					0	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number			
						WFSJ7650	WOAK1394	WILL8325	
Fraction sorted						0.1	1	1	
Nematoda (phylum)						0	0	0	
Turbellaria						0	0	0	
Acari						0	0	0	
Crustacea									
	Amphipoda	Gammaridae			<i>Gammarus</i> sp.	59	0	0	
			Talitridae			<i>Hyalella azteca</i>	59	0	0
	Decapoda	Cambaridae				0	0	0	
			Palaemonidae			<i>Palaemonetes</i> sp.	0	0	0
	Isopoda	Asellidae			<i>Caecidotea</i> sp.	0	0	0	
						<i>Lirceus</i> sp.	0	0	0
Bivalvia									
	Pelecypoda	Corbiculidae			<i>Corbicula fluminea</i>	0	0	1	
			Sphaeriidae				12	1	1
Gastropoda									
	Mesogastropoda	Hydrobiidae				0	0	0	
						<i>Amnicola</i> sp.	0	0	0
	Limnophila	Valvatidae			<i>Valvata</i> sp.	0	0	0	
			Ancylidae		<i>Ferrissia</i> sp.	0	0	0	
			Lymnaeidae			0	0	1	
			Physidae			0	0	0	
		Planorbidae				0	0	0	
Hirudinea									
	Pharyngobdellida	Erpobdellidae				0	0	0	
	Gnathobdellida	Hirudinidae			<i>Hirudinea</i>	12	0	1	
	Rhynchobdellida	Glossiphoniidae			<i>Placobdella papillifera</i>	0	0	0	
Oligochaeta									
	Haplotaxida	Tubificidae			<i>Aulodrilus</i> sp.	0	0	0	
						<i>Branchiura sowerbyi</i>	0	0	0
						<i>Limnodrilus cervix</i>	0	1	0
						<i>Limnodrilus hoffmeisteri</i>	0	0	0
						<i>Limnodrilus profundicola</i>	0	0	0
						<i>Limnodrilus</i> sp.	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number		
						WFSJ7650	WOAK1394	WILL8325
Oligochaeta—Continued								
		Tubificidae w/ setae				0	0	0
		Tubificidae w/o setae				35	6	3
		Lumbriculidae				12	0	0
					<i>Lumbricina</i>	0	0	5
		Naididae			<i>Bratislavia unidentata</i>	0	0	0
					<i>Dero digitata</i>	0	0	0
					<i>Dero furcata</i>	0	0	0
					<i>Dero</i> sp.	0	0	0
					<i>Haemonais waldvogeli</i>	0	0	0
					<i>Nais communis</i>	0	0	0
					<i>Nais pardalis</i>	12	0	0
					<i>Nais</i> sp.	0	0	0
					<i>Pristina</i> sp.	0	4	0
					<i>Stephensoniana</i> sp.	0	0	0
		Enchytraeidae				0	0	1
Insecta								
	Ephemeroptera	Baetidae				0	0	0
					<i>Acerpenna pygmaea</i>	35	0	0
					<i>Baetis armillatus</i>	0	0	0
					<i>Baetis flavistriga</i>	59	0	0
					<i>Baetis intercalaris</i>	188	0	0
					<i>Baetis</i> sp.	0	0	0
					<i>Callibaetis ferrugineus</i>	0	0	0
					<i>Centroptilum</i> sp.	0	0	0
					<i>Fallceon quilleri</i>	0	135	0
					<i>Labiobaetis epphipiatus</i>	0	0	0
					<i>Labiobaetis longipalpus</i>	0	0	0
					<i>Labiobaetis propinquus</i>	12	0	0
					<i>Labiobaetis</i> sp.	0	0	0
					<i>Paracloeodes minutus</i>	0	0	0
					<i>Procloeon</i> sp.	0	0	0
		Caenidae			<i>Brachycercus flavus</i>	0	0	0
					<i>Caenis hilaris</i>	0	0	0
					<i>Caenis latipennis</i>	0	0	1
					<i>Caenis</i> sp.	0	9	0
		Tricorythidae			<i>Leptohyphes dolani</i>	0	0	0
		Ephemeridae			<i>Hexagenia</i> sp.	12	0	0
					<i>Pentagenia</i> sp.	0	0	0
		Heptageniidae				24	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number		
						WFSJ7650	WOAK1394	WILL8325
Insecta—Continued								
					<i>Leucrocuta</i> sp.	0	0	0
					<i>Stenacron</i> sp.	106	0	2
					<i>Stenonema exiguum</i>	0	0	0
					<i>Stenonema</i> sp.	0	0	0
		Leptophlebiidae				0	0	0
					<i>Choroterpes</i> sp.	0	0	0
					<i>Paraleptophlebia</i> sp.	0	0	0
		Isonychiidae			<i>Isonychia sicca</i>	0	0	0
		Tricorythidae			<i>Tricorythodes</i> sp.	141	0	0
	Odonata	Coenagrionidae				0	0	0
					<i>Argia</i> sp.	0	27	0
		Calopterygidae			<i>Hetaerina</i> sp.	0	0	0
		Corduliidae				0	0	0
					<i>Macromia</i> sp.	0	0	0
		Gomphidae				0	0	0
					<i>Hagenius brevistylus</i>	0	0	0
					<i>Progomphus</i> sp.	0	0	0
		Aeshnidae			<i>Boyeria</i> sp.	0	0	0
		Zygoptera			<i>Calopteryx</i> sp.	0	0	0
		Libellulidae				0	0	0
	Plecoptera	Leuctridae				0	0	0
		Perlidae				0	0	0
					<i>Acroneuria</i> sp.	0	0	0
					<i>Neoperla</i> sp.	0	0	0
					<i>Perlesta</i> sp.	0	0	0
	Hemiptera	Corixidae				0	0	0
		Gerridae				0	0	0
		Veliidae				0	0	0
					<i>Rhagovelia</i> sp.	0	0	0
		Schizopteridae			<i>Halobates</i> sp.	0	0	0
					<i>Rheumatobates</i> sp.	0	0	0
	Neuroptera	Sisyridae			<i>Climacia</i> sp.	0	0	0
	Megaloptera	Corydalidae			<i>Chauliodes</i> sp.	0	0	0
					<i>Corydalus</i> sp.	0	0	0
	Trichoptera	Hydropsychidae				0	0	0
					<i>Cheumatopsyche</i> sp.	1,623	14	1
					<i>Hydropsyche bidens</i>	0	0	0
					<i>Hydropsyche simulans</i>	0	0	0
					<i>Hydropsyche</i> sp.	0	0	0
					<i>Hydropsyche orris</i>	0	0	0

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number		
						WFSJ7650	WOAK1394	WILL8325
Insecta—Continued								
		Hydroptilidae				0	0	0
					<i>Hydroptila</i> sp.	153	1	0
					<i>Mayatrichia</i> sp.	0	0	0
					<i>Ochrotrichia</i> sp.	0	0	0
		Leptoceridae				0	0	0
					<i>Ceraclea</i> sp.	0	0	0
					<i>Nectopsyche candida</i>	0	0	0
					<i>Oecetis avara</i>	0	0	0
					<i>Oectis</i> sp.	24	0	0
					<i>Triaenodes</i> sp.	0	0	0
		Polycentropodidae			<i>Cyrnellus fraternus</i>	0	0	0
					<i>Nyctiophylax moestus</i>	12	0	0
					<i>Polycentropus</i> sp.	0	0	0
		Philopotamidae			<i>Chimarra</i> sp.	0	0	0
		Psychomyiidae			<i>Lype diversa</i>	0	0	0
	Lepidoptera					0	0	0
		Pyralidae			<i>Estigmene</i> sp.	0	0	0
					<i>Petrophila</i> sp.	0	0	0
	Coleoptera	Dytiscidae				0	0	0
					<i>Hydaticus</i> sp.	0	0	0
		Hydrophilidae				0	0	1
					<i>Berosus</i> sp.	0	0	0
					<i>Laccobius</i> sp.	0	0	0
					<i>Sperchopsis</i> sp.	0	0	0
		Elmidae			<i>Ancyronyx variagata</i>	0	0	3
					<i>Dubiraphia</i> sp.	0	0	0
					<i>Heterelmis</i> sp.	0	0	0
					<i>Heterlimnius</i> sp.	0	0	0
					<i>Macronychus glabratus</i>	0	0	0
					<i>Microcylloepus</i> sp.	0	0	0
					<i>Stenelmis</i> sp.	24	40	10
		Scirtidae			<i>Cyphon</i> sp.	0	0	0
		Gyrinidae			<i>Dineutus</i> sp.	12	0	0
					<i>Gyretes</i> sp.	12	0	0
					<i>Gyrinus</i> sp.	0	0	0
		Dryopidae			<i>Helichus</i> sp.	0	0	0
		Hydraenidae			<i>Hydraena</i> sp.	0	0	0
		Haliplidae			<i>Peltodytes</i> sp.	0	0	0
	Diptera	Athericidae			<i>Atherix</i> sp.	0	0	0
		Ceratopogonidae			<i>Atrichopogon</i> sp.	47	0	2

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number		
						WFSJ7650	WOAK1394	WILL8325
Insecta—Continued								
					<i>Ceratopogoninae</i>	0	0	0
		Chaoboridae			<i>Chaoborus</i> sp.	0	0	0
		Empididae				0	0	0
					<i>Hemerodromia</i> sp.	0	4	0
		Psychodidae			<i>Pericoma</i> sp.	0	0	0
		Sciaridae				0	0	0
		Simuliidae			<i>Simulium</i> sp.	153	0	0
		Stratiomyiidae			<i>Odontomyia</i> / <i>Hedriodiscus</i> sp.	0	0	0
		Tipulidae				24	0	0
					<i>Limonia</i> sp.	0	0	0
					<i>Ormosia</i> sp.	0	0	0
					<i>Tipula</i> sp.	0	0	0
		Chironomidae				0	0	0
			Tanypodinae	Procladiini	<i>Procladius</i> sp.	0	0	0
				Natarsiini	<i>Natarsia</i> sp.	0	0	0
				Pentaneurini		0	0	0
					<i>Ablabesmyia</i> sp.	0	0	1
					<i>Labrundinia</i> sp.	0	0	0
					<i>Larsia</i> sp.	0	0	0
					<i>Nilotanypus fimbriatus</i>	0	0	0
					<i>Pentaneura</i> sp.	0	0	0
					<i>Thienemannimyia</i> gr. sp.	106	59	2
					<i>Zavreliomyia</i> sp.	0	0	0
		Diamesinae		Diamesini	<i>Potthastia longimanus</i> gr.	0	0	0
		Orthocladiinae				0	0	0
				Orthocladiini	<i>Cricotopus bicinctus</i> gr.	141	0	0
					<i>Cricotopus</i> sp.	212	168	0
					<i>Lopescladius</i> sp.	0	0	0
					<i>Nanocladius</i> sp.	0	0	1
					<i>Orthocladius annectens</i>	0	0	0
					<i>Orthocladius complex</i>	0	0	0
					<i>Parametriocnemus</i> sp.	0	0	0
					<i>Pseudosmittia</i> sp.	0	0	0
					<i>Rheocricotopus</i> sp.	35	0	2
					<i>Tvetenia vitracies</i> gr.	0	0	0
					<i>Xylotopus par</i>	0	0	0
					<i>Thienemanniella</i> sp.	0	0	0
		Chironominae		Corynoneurini		0	0	0
				Chironomini		0	0	0
					<i>Chironomus</i> sp.	35	0	2

Table 4. Taxonomic classification of benthic macroinvertebrates and counts for individual taxa for sites in the Houston-Galveston Area Council service area—Continued

Class	Order	Family	Subfamily	Tribe	Genus or scientific name	Houston-Galveston Area Council identification number		
						WFSJ7650	WOAK1394	WILL8325
Insecta—Continued								
					<i>Cryptochironomus</i> sp.	0	0	1
					<i>Dicrotendipes</i> sp.	106	14	2
					<i>Endochironomus nigricans</i>	35	0	0
					<i>Endochironomus subtendens</i>	0	0	0
					<i>Goeldichironomus</i> sp.	0	0	0
					<i>Glyptotendipes</i> sp.	35	0	0
					<i>Kiefferulus</i> sp.	0	0	0
					<i>Microtendipes</i>	0	0	0
					<i>rydalensis</i> gr.			
					<i>Nilothauma</i> sp.	0	0	0
					<i>Parachironomus</i>	0	0	0
					<i>frequens</i> gr.			
					<i>Paracladopelma</i> sp.	0	0	1
					<i>Paralauterborniella</i>	0	0	0
					<i>nigrohalteris</i>			
					<i>Paratendipes</i> sp.	0	0	0
					<i>Polypedilum</i> sp.	1,564	24	29
					<i>Robackia claviger</i>	0	0	0
					<i>Robackia demeijerei</i>	0	0	0
					<i>Saetheria</i> sp.	0	0	0
					<i>Stelechomyia perpulchra</i>	0	0	0
					<i>Stenochironomus</i> sp.	212	0	6
					<i>Stictochironomus</i> sp.	0	0	0
					<i>Tribelos</i> sp.	0	0	0
					<i>Xenochironomus xenolabis</i>	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	0	0	0
				Tanytarsini		0	0	0
					<i>Cladotanytarsus</i> sp.	0	0	1
					<i>Micropsectra</i> sp.	0	0	0
					<i>Paratanytarsus</i> sp.	0	0	3
					<i>Rheotanytarsus</i> sp.	964	3	5
					<i>Stempellinella</i> sp.	0	0	0
					<i>Tanytarsus</i> sp.	141	0	2
	Coleoptera					0	0	0
		Staphylinidae				0	0	0
		Elateridae				0	0	0
	Collembola					0	0	0

Table 5. Benthic macroinvertebrate data for sites in the Houston-Galveston Area Council service area

[EPT, Ephemeroptera Plecoptera Trichoptera]

Site name	Houston-Galveston Area Council identification number							
	BIGC0015	BRAN0011	BUFF0005	BUFF4000	BUFF3600	CANY0020	CANY0017	CEDR7500
Number of taxa	59	55	24	21	20	49	50	21
EPT taxa richness	17	15	7	1	6	22	15	7.0
Percent EPT taxa	33	39	37	.36	8.4	56	28	58
Percent Chironomidae	34	36	41	95	89	23	38	28
Percent Ephemeroptera	14	35	31	.36	7.8	22	12	40
Percent Oligochaeta	2.1	.19	0	3.6	1.2	0	1.4	1.1
Percent Plecoptera	.90	0	0	0	0	.20	0	0
Percent Trichoptera	19	3.6	6.6	0	.60	34	16	17
Percent filterers	35	8.4	31	6.8	29	12	19	15
Percent gatherers	16	30	10	73	30	17	43	37
Percent predators	11	13	8.8	15	6.6	6.5	11	7.6
Percent scrapers	22	12	16	0	0	10	2.4	5.4
Percent shredders	8.4	13	3.3	5.0	27	12	13	16
Number of filterer taxa	9	4	3	1	3	6	5	2
Number of gatherer taxa	14	22	7	12	8	15	21	8
Number of predator taxa	17	12	5	4	4	7	7	5
Number of scraper taxa	4	2	2	0	0	4	2	1
Number of shredder taxa	4	2	1	3	2	5	4	1
Shannon-Wiener diversity index (log 10)	1.5	1.3	1.1	.84	.91	1.3	1.3	1.1
Shannon-Wiener diversity index (log 2)	4.9	4.4	3.6	2.8	3.0	4.4	4.3	3.5
Shannon-Wiener diversity index (log e)	3.4	3.0	2.5	1.9	2.1	3.0	3.0	2.4
Hilsenhoff's biotic index	5.1	3.5	4.3	7.2	6.0	3.1	4.7	4.3
Margalef's richness	10	8.2	3.5	3.6	3.0	7.8	8.1	4.4
Pielou's evenness	.83	.76	.78	.63	.70	.77	.76	.80
Simpson's heterogeneity	.95	.92	.89	.70	.84	.90	.92	.88

Table 5. Benthic macroinvertebrate data for sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number							
	CHOC1234	CLER7000	CYPR1324	CYPR8800	CYPR9000	CYPR1329	DICK0050	EFSJ0016
Number of taxa	30	18	21	14	19	17	10	31
EPT taxa richness	9.0	5.0	6.0	3.0	4.0	4.0	2.0	11
Percent EPT taxa	48	9.2	59	17	23	58	5.3	66
Percent Chironomidae	32	64	32	5.8	63	33	89	13
Percent Ephemeroptera	27	4.8	55	13	21	56	4.0	41
Percent Oligochaeta	0	.96	0	35	.39	.24	0	0
Percent Plecoptera	0	0	0	0	0	0	0	1.2
Percent Trichoptera	21	4.3	4.4	3.8	1.4	1.7	1.3	23
Percent filterers	4.9	3.4	14	9.6	4.5	.71	15	28
Percent gatherers	45	63	4.6	48	48	22	69	43
Percent predators	8.2	4.6	11	5.8	12	8.3	2.7	3.7
Percent scrapers	13	21	2.1	31	4.5	5.5	0	19
Percent shredders	4.9	1.9	12	3.8	5.1	18	8.0	5.3
Number of filterer taxa	1	1	4	3	2	1	1	3
Number of gatherer taxa	8	4	5	5	5	6	4	14
Number of predator taxa	6	2	6	2	4	3	2	4
Number of scraper taxa	2	3	1	2	2	2	0	5
Number of shredder taxa	3	2	1	1	1	2	1	3
Shannon-Wiener diversity index (log 10)	1.2	.61	.8	.92	.83	.79	.66	1.1
Shannon-Wiener diversity index (log 2)	3.8	2.0	2.6	3.0	2.8	2.6	2.2	3.8
Shannon-Wiener diversity index (log e)	2.7	1.4	1.8	2.1	1.9	1.8	1.5	2.6
Hilsenhoff's biotic index	5.3	7.2	2.6	6.8	5.6	3.7	5.3	4.0
Margalef's richness	5.6	2.8	3.1	3.3	2.8	2.6	2.1	5.2
Pielou's evenness	.78	.49	.60	.80	.65	.64	.66	.76
Simpson's heterogeneity	.89	.59	.71	.84	.75	.75	.67	.89

Table 5. Benthic macroinvertebrate data for sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number							
	EFSJ0200	EFSJ1237	SAND0014	GREN0034	LAKE0012	LAKE1367	LANG0003	LUCE1280
Number of taxa	58	36	48	23	34	41	17	30
EPT taxa richness	17	11	17	6.0	11	13	0	6.0
Percent EPT taxa	43	59	31	17	69	50	0	76
Percent Chironomidae	28	31	33	75	5.2	20	78	10
Percent Ephemeroptera	37	14	11	10	6.8	49	0	36
Percent Oligochaeta	3.2	.19	.60	0	.20	0	12	0
Percent Plecoptera	.38	0	.20	0	0	0	0	0
Percent Trichoptera	5.5	45	21	6.3	62	1.7	0	40
Percent filterers	5.5	13	21	17	73	1.7	0	42
Percent gatherers	34	24	34	16	10	49	57	31
Percent predators	6.9	4.5	7.8	12	4.0	5.4	18	4.6
Percent scrapers	17	6.2	6.0	4.2	4.6	22	0	7.6
Percent shredders	16	12	21	38	.80	7.1	4.4	6.0
Number of filterer taxa	6	6	3	3	3	2	0	4
Number of gatherer taxa	19	10	13	7	11	12	8	10
Number of predator taxa	11	7	13	6	5	10	6	7
Number of scraper taxa	3	3	4	1	5	3	0	3
Number of shredder taxa	5	2	3	1	4	5	1	2
Shannon-Wiener diversity index (log 10)	1.4	1.0	1.3	1.0	.76	1.1	.96	.92
Shannon-Wiener diversity index (log 2)	4.7	3.5	4.3	3.3	2.5	3.6	3.2	3.0
Shannon-Wiener diversity index (log e)	3.2	2.4	3.0	2.3	1.7	2.5	2.2	2.1
Hilsenhoff's biotic index	4.1	3.3	4.9	5.3	4.9	4.6	6.6	4.2
Margalef's richness	8.5	4.6	6.8	3.2	4.7	6.1	3.8	4.7
Pielou's evenness	.8	.68	.77	.74	.49	.68	.78	.62
Simpson's heterogeneity	.94	.83	.92	.82	.65	.86	.84	.80

Table 5. Benthic macroinvertebrate data for sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number							
	OYST0039	PANT0040	SANB0029	SANB0031	SPRB0022	SPRI0023	SPRI8500	SPRI0024
Number of taxa	27	36	38	13	39	30	35	38
EPT taxa richness	13	16	8.0	2.0	5.0	13	13	14
Percent EPT taxa	86	65	36	.39	19	44	29	48
Percent Chironomidae	10	19	26	98	67	42	62	40
Percent Ephemeroptera	17	29	34	.20	19	27	10	16
Percent Oligochaeta	0	0	19	.39	5.8	0	1.7	.79
Percent Plecoptera	0	0	0	0	0	0	0	0
Percent Trichoptera	68	36	1.6	.20	.41	17	19	32
Percent filterers	58	12	.62	.98	4.8	15	8.4	15
Percent gatherers	7.8	17	33	86	49	30	21	22
Percent predators	2.6	3.2	11	2.0	4.3	13	13	6.1
Percent scrapers	1.6	26	6.2	.20	5.6	5.2	4.3	7.7
Percent shredders	1.0	14	.62	9.8	8.5	14	39	26
Number of filterer taxa	4	2	1	1	3	4	2	5
Number of gatherer taxa	8	10	14	3	17	10	14	14
Number of predator taxa	4	8	9	3	5	6	7	7
Number of scraper taxa	2	3	2	1	4	3	3	3
Number of shredder taxa	2	3	2	1	1	3	2	3
Shannon-Wiener diversity index (log 10)	.79	1.1	1.2	.50	1.1	1.2	1.0	1.1
Shannon-Wiener diversity index (log 2)	2.6	3.6	4.1	1.7	3.8	4.2	3.4	3.7
Shannon-Wiener diversity index (log e)	1.8	2.5	2.8	1.2	2.6	2.9	2.3	2.6
Hilsenhoff's biotic index	3.6	3.5	2.8	8.5	4.8	4.4	5.0	3.9
Margalef's richness	4.1	5.1	6.6	1.9	6.2	4.6	5.4	6.2
Pielou's evenness	.55	.70	.78	.45	.71	.85	.66	.71
Simpson's heterogeneity	.70	.88	.92	.53	.89	.93	.82	.87

Table 5. Benthic macroinvertebrate data for sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number						
	SPRI0027	WALN0026	WFSJ8090	WFSJ0010	WFSJ7650	WOAK1394	WILL8325
Number of taxa	26	39	30	28	37	16	28
EPT taxa richness	9.0	11	12	9.0	12	4.0	3.0
Percent EPT taxa	64	49	87	21	37	31	4.4
Percent Chironomidae	16	29	9.7	58	56	53	64
Percent Ephemeroptera	19	40	56	19	8.9	28	3.3
Percent Oligochaeta	.20	1.7	.19	.32	.91	2.2	9.9
Percent Plecoptera	0	0	0	0	0	0	0
Percent Trichoptera	46	9.4	31	1.6	28	2.9	1.1
Percent filterers	63	14	4.2	.97	45	3.5	9.9
Percent gatherers	18	42	29	72	17	6.7	35
Percent predators	3.6	10	2.1	8.1	2.4	18	5.5
Percent scrapers	2.8	7.3	9.4	2.6	.73	7.8	12
Percent shredders	7.4	15	5.5	6.8	31	38	32
Number of filterer taxa	7	5	3	1	5	3	4
Number of gatherer taxa	6	10	11	10	15	5	13
Number of predator taxa	5	11	3	8	4	3	4
Number of scraper taxa	2	3	3	2	2	1	2
Number of shredder taxa	1	2	3	1	5	2	1
Shannon-Wiener diversity index (log 10)	.88	1.3	.99	1.1	1.1	.84	1.2
Shannon-Wiener diversity index (log 2)	2.9	4.3	3.3	3.6	3.5	2.8	3.9
Shannon-Wiener diversity index (log e)	2.0	3.0	2.3	2.5	2.4	1.9	2.7
Hilsenhoff's biotic index	5.0	4.0	2.3	4.8	5.6	5.0	5.9
Margalef's richness	4.0	7.0	3.7	4.7	4.1	2.4	6.0
Pielou's evenness	.62	.81	.67	.76	.68	.70	.80
Simpson's heterogeneity	.76	.93	.84	.89	.85	.80	.88

Table 6. Physical habitat data for stream reaches at sites in the Houston-Galveston Area Council service area

[m, meters; m/s, meters per second; RCE, riparian, channel, and environmental index; mg/L, milligrams per liter; --, no data; µS, microsiemens, °C, degrees Celsius]

Site name	Houston-Galveston Area Council identification number									
	BIGC0015	BRAN0011	BRAZ0045	BRAZ1500	BUFF0005	BUFF4000	BUFF1352	BUFF3600	CANY0001	CANY0020
Latitude	30°30'13"	30°31'38"	29°03'50"	30°07'04"	29°46'13"	29°45'36"	29°45'34"	29°45'43"	28°56'40"	30°08'55"
Longitude	95°05'21"	95°40'45"	95°33'43"	96°11'21"	95°37'15"	95°24'30"	95°26'03"	95°33'27"	95°47'50"	95°11'30"
Linear reach length (m)	87.0	133	--	--	257	266	--	249	348	169
Curvilinear reach length (m)	93.6	192	--	--	261	296	--	381	372	176
Sinuosity	1.1	1.4	--	--	1.0	1.1	--	1.5	1.1	1.0
Reach slope	.0005	.00008	--	--	.0004	.0001	--	.003	.00003	.0002
Number of snags	0	0	0	0	6	0	0	9	7	0
Number of other obstructions	2	5	0	0	56	0	0	38	2	24
Number of stumps	0	0	0	0	0	0	0	6	0	6
Structural index	21.4	26.1	0	0	237	0	0	139	24.2	171
Number of undercut banks	0	0	0	0	0	0	0	0	0	0
Number of bars	1	1	0	0	2	0	0	2	0	1
Mean right bank slope	.15	.094	.037	.076	.088	.071	.056	.062	.062	.087
Mean left bank slope	.062	.065	.062	.081	.047	.15	.075	.071	.072	.080
Mean bank slope	.11	.080	.050	.078	.068	.11	.066	.066	.067	.084
Mean channel width (m)	20.7	19.1	151	156	23.2	36.4	73.7	29.9	65.3	36.4
Mean right bank height (m)	1.9	2.4	14	14	3.4	6.6	9.9	5.0	8.6	4.9
Mean left bank height (m)	1.5	2.4	13	16	3.5	5.9	9.3	5.2	7.3	4.2
Mean bank height/width ratio	.10	.14	.033	.035	.18	.078	.090	.19	.10	.11
Mean wetted channel width (m)	5.19	5.40	122	129	7.36	25.2	32.8	8.68	24.2	14.0
Mean depth (m)	.46	.47	7.1	6.8	.35	3.1	3.2	.51	1.9	.50
Mean velocity (m/s)	.2	.09	1.1	1.0	.11	.74	.67	.24	.22	.22
RCE	307	281	149	232	275	93.0	261	231	121	305
RCE maximum value	93	85	45	70	83	28	79	70	37	92
Dissolved oxygen (mg/L)	7.3	5.3	9.9	9.0	--	4.0	9.4	--	8.4	8.0
pH (standard units)	6.4	7.6	7.0	7.8	7.7	7.3	7.9	--	7.0	6.9
Conductance (µS)	67.0	585	342	282	794	315	118	--	170	133
Secchi-disk depth (m)	--	--	--	--	.44	.37	--	--	--	.63
Temperature (°C)	20.5	24.3	16.0	16.1	27.0	27.6	15.1	--	14.0	26.4

Table 6. Physical habitat data for stream reaches at sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number								
	CANY0017	CEDR1942	CEDR7500	CHOC1234	CLER7000	COLO0044	COLO0043	CUMM0042	CYPR1324
Latitude	30°27'21"	29°50'59"	29°58'20"	29°22'09"	29°35'50"	29°18'32"	29°43'18"	29°44'49"	30°01'45"
Longitude	95°25'28"	94°56'48"	94°59'10"	95°19'14"	95°17'11"	96°06'13"	96°31'43"	96°33'02"	95°19'47"
Linear reach length (m)	114	200	114	115	85.0	--	1,650	332	388
Curvilinear reach length (m)	125	200	135	123	87.3	--	2,580	541	442
Sinuosity	1.1	1.0	1.2	1.1	1.0	--	1.6	1.6	1.1
Reach slope	.0008	.0002	.0008	.0002	.0005	--	.00003	.001	.0001
Number of snags	0	0	0	0	0	0	2	3	0
Number of other obstructions	23	0	4	0	13	0	3	0	41
Number of stumps	0	0	0	0	0	0	9	1	14
Structural index	184	0	29.6	0	149	0	5.43	7.39	124
Number of undercut banks	0	0	0	1	0	0	0	0	0
Number of bars	3	0	3	0	1	0	3	3	2
Mean right bank slope	.16	.072	.10	.12	.091	.051	.031	.10	.086
Mean left bank slope	.061	.12	.12	.031	.057	.041	.038	.046	.10
Mean bank slope	.11	.096	.11	.076	.074	.046	.034	.073	.093
Mean channel width (m)	24.5	49.3	29.6	43.2	30.8	119	167	54.6	39.3
Mean right bank height (m)	4.6	6.8	4.7	4.8	4.5	8.9	6.2	5.1	7.0
Mean left bank height (m)	4.7	5.8	3.2	4.7	4.5	8.4	9.9	5.4	6.2
Mean bank height/width ratio	.42	.19	.24	.21	.36	.033	.035	.084	.14
Mean wetted channel width (m)	4.35	10.2	7.66	7.49	3.91	80.4	82.7	20.4	15.2
Mean depth (m)	.26	1.3	.30	.24	0	2.6	1.2	1.1	.66
Mean velocity (m/s)	0	.38	.13	.26	0	1.0	.49	.22	.26
RCE	280	251	245	210	169	261	201	320	277
RCE maximum value	85	76	74	64	51	79	61	97	84
Dissolved oxygen (mg/L)	6.3	9.7	6.9	6.9	7.2	11	--	10	7.5
pH (standard units)	6.9	7.0	7.5	7.8	7.9	8.1	--	7.9	7.8
Conductance (µS)	227	269	636	785	688	461	--	450	548
Secchi-disk depth (m)	.27	--	--	.35	--	--	--	--	.40
Temperature (°C)	22.8	17.0	32.8	26.3	32.0	15.5	--	15.0	27.8

Table 6. Physical habitat data for stream reaches at sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number									
	CYPR8800	CYPR9000	CYPR1329	DICK0050	EFSJ0000	EFSJ0016	EFSJ0200	EFSJ1237	SAND0014	GARN6180
Latitude	29°58'24"	30°02'08"	30°01'19"	29°26'04"	30°20'16"	30°35'48"	30°08'43"	30°25'29"	30°34'58"	29°56'03"
Longitude	95°35'54"	95°25'43"	95°28'38"	95°10'11"	95°06'22"	95°11'58"	95°07'27"	95°07'30"	95°33'55"	95°14'02"
Linear reach length (m)	218	225	301	86.4	160	54.1	139	106	124	70.7
Curvilinear reach length (m)	266	235	362	87.9	191	98.2	197	132	151	72.2
Sinuosity	1.2	1.0	1.2	1.0	1.2	1.8	1.4	1.2	1.2	1.0
Reach slope	.0008	.0008	.0004	.0007	.0009	.0006	.0004	.0004	.0005	.0005
Number of snags	0	0	0	4	4	0	0	0	3	0
Number of other obstructions	5	0	11	21	0	17	33	42	6	3
Number of stumps	0	0	0	0	0	2	0	7	0	0
Structural index	18.8	0	30.4	284	20.9	193	167	370	59.8	41.6
Number of undercut banks	0	1	0	0	0	0	0	0	0	0
Number of bars	1	0	2	0	2	1	3	1	1	1
Mean right bank slope	.060	.069	.074	.18	.14	.11	.039	.080	.12	.12
Mean left bank slope	.063	.091	.044	.098	.069	.074	.11	.061	.14	.12
Mean bank slope	.062	.080	.059	.14	.10	.092	.074	.070	.13	.12
Mean channel width (m)	25.1	44.0	35.3	17.9	30.4	18.2	34.2	26.4	17.4	24.5
Mean right bank height (m)	5.1	8.4	5.1	3.3	3.3	2.3	4.9	3.0	2.8	5.9
Mean left bank height (m)	3.0	7.2	6.3	3.1	3.5	2.9	4.2	3.1	2.8	5.7
Mean bank height/width ratio	.15	.17	.12	.26	.055	.12	.12	.11	.15	.44
Mean wetted channel width (m)	8.91	14.4	15.0	3.77	20.0	6.87	13.2	9.24	5.51	4.12
Mean depth (m)	.32	0	.72	.72	1.2	.45	.62	.53	.67	0
Mean velocity (m/s)	.25	0	.09	.06	.40	.12	.20	.24	.19	0
RCE	170	250	164	207	236	176	305	300	286	232
RCE maximum value	52	76	50	63	72	53	92	91	87	70
Dissolved oxygen (mg/L)	5.4	6.1	6.1	5.2	10	5.5	7.5	6.3	6.5	8.5
pH (standard units)	7.0	7.2	7.2	7.8	7.6	7.0	6.9	7.1	7.4	8.0
Conductance (µS)	247	356	419	691	150	204	194	204	498	686
Secchi-disk depth (m)	.31	.14	.17	--	--	--	.57	.56	--	.50
Temperature (°C)	27.2	26.0	26.9	26.8	13.5	22.0	27.8	21.3	22.5	31.3

Table 6. Physical habitat data for stream reaches at sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number								
	GREN0034	GREN6000	GREN1377	LAKE0012	LAKE1367	LANG0003	LUCE1280	MILL0035	NAVA0041
Latitude	29°53'50"	29°55'05"	29°56'28"	30°16'48"	30°15'21"	29°48'49"	30°06'34"	29°46'13"	30°20'37"
Longitude	95°14'19"	95°18'24"	95°27'44"	95°42'18"	95°34'70"	95°37'40"	95°03'35"	95°37'15"	96°08'52"
Linear reach length (m)	453	398	269	139	131	80.6	78.0	243	--
Curvilinear reach length (m)	580	442	283	160	216	119	110	319	--
Sinuosity	1.3	1.1	1.1	1.2	1.6	1.5	1.4	1.3	--
Reach slope	.0004	.0004	.0002	.0005	.0001	.00009	.001	.04	--
Number of snags	0	0	0	0	0	0	0	29	0
Number of other obstructions	1	0	0	14	29	8	38	0	0
Number of stumps	0	0	0	4	1	2	2	0	0
Structural index	1.72	0	0	113	139	83.7	362	91.0	0
Number of undercut banks	0	0	0	0	0	0	0	0	0
Number of bars	1	1	0	2	2	1	1	2	0
Mean right bank slope	.071	.061	.079	.083	.13	.12	.075	.066	.074
Mean left bank slope	.079	.048	.039	.098	.038	.11	.094	.066	.097
Mean bank slope	.075	.054	.059	.090	.084	.12	.084	.066	.086
Mean channel width (m)	75.0	52.5	50.3	28.9	24.6	15.2	30.9	45.7	110
Mean right bank height (m)	9.1	5.8	7.0	5.2	4.3	2.6	4.1	7.0	15
Mean left bank height (m)	8.4	5.2	6.2	5.3	3.3	2.6	4.7	6.1	16
Mean bank height/width ratio	.20	.23	.11	.14	.14	.10	.12	.11	.14
Mean wetted channel width (m)	16.2	7.45	18.8	11.4	8.64	7.95	11.1	17.9	34.5
Mean depth (m)	.87	.94	.39	.73	.46	1.2	.50	.52	2.0
Mean velocity (m/s)	.58	.44	.26	.07	.19	.11	.10	.34	.16
RCE	151	113	77.0	195	330	181	292	202	211
RCE maximum value	46	34	23	59	100	55	88	61	64
Dissolved oxygen (mg/L)	9.5	8.8	13	5.4	5.3	3.6	2.8	12	9.0
pH (standard units)	7.8	6.8	7.2	7.2	6.7	7.2	7.0	7.3	7.3
Conductance (µS)	410	263	702	298	195	728	168	618	490
Secchi-disk depth (m)	--	--	--	.29	.42	.23	.54	--	--
Temperature (°C)	15.2	14.1	34.0	25.3	26.0	28.9	27.4	15.4	14.5

Table 6. Physical habitat data for stream reaches at sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number								
	NAVA0036	OYST0039	PANT0040	SANB0029	SANB0031	SPRB0022	SPRI0023	SPRI8500	SPRI0024
Latitude	30°52'06"	29°09'25"	30°09'15"	29°39'43"	29°06'40"	30°13'11"	30°05'31"	30°06'41"	30°08'00"
Longitude	96°11'43"	95°28'30"	95°28'55"	96°14'44"	95°40'38"	95°14'54"	95°24'21"	95°26'01"	95°35'50"
Linear reach length (m)	144	146	79.5	200	--	41.3	328	233	111
Curvilinear reach length (m)	165	169	174	212	--	83.2	959	257	209
Sinuosity	1.1	1.2	2.2	1.1	--	2.0	2.9	1.1	1.9
Reach slope	.00007	.0001	.0003	.00006	--	.00007	.0001	.00001	.00004
Number of snags	1	2	0	0	1	1	0	0	6
Number of other obstructions	5	25	33	1	0	17	13	30	21
Number of stumps	0	0	0	1	1	1	1	2	2
Structural index	36.3	160	189	9.46	5.11	228	14.6	124	138
Number of undercut banks	0	0	0	0	0	0	0	0	0
Number of bars	1	0	2	0	0	1	2	4	1
Mean right bank slope	.11	.053	.095	.048	.059	.096	.033	.081	.065
Mean left bank slope	.099	.052	.058	.051	.055	.14	.057	.059	.13
Mean bank slope	.10	.052	.076	.050	.057	.12	.045	.070	.098
Mean channel width (m)	19.0	31.0	26.5	18.8	58.1	13.4	40.0	39.3	20.6
Mean right bank height (m)	4.9	2.8	3.4	1.5	6.5	2.2	5.6	6.5	2.9
Mean left bank height (m)	4.9	2.7	2.8	1.9	6.5	2.1	4.8	5.1	2.9
Mean bank height/width ratio	.12	.057	.096	.047	.046	.16	.080	.13	.096
Mean wetted channel width (m)	12.1	14.7	11.0	11.5	43.7	4.12	24.6	14.0	9.48
Mean depth (m)	1.9	1.2	.56	.33	3.0	.67	.56	.73	.74
Mean velocity (m/s)	.20	.40	.37	.10	.07	0	.34	.26	.33
RCE	239	178	287	186	215	197	245	238	257
RCE maximum value	72	54	87	56	65	60	74	72	78
Dissolved oxygen (mg/L)	--	10	5.6	5.8	5.7	1.4	8.6	7.9	5.2
pH (standard units)	6.4	7.9	6.9	7.1	7.6	6.6	6.9	6.8	6.8
Conductance (µS)	439	829	264	161	663	154	444	278	288
Secchi-disk depth (m)	--	.36	.48	--	.51	.57	.72	--	.48
Temperature (°C)	13.6	29.8	27.7	27.9	28.5	--	31.0	29.9	27.7

Table 6. Physical habitat data for stream reaches at sites in the Houston-Galveston Area Council service area—Continued

Site name	Houston-Galveston Area Council identification number								
	SPRI0027	WALN0026	WFSJ8090	WFSJ0010	WFSJ7650	WFSJ8000	WOAK1394	WOAK1397	WILL8325
Latitude	30°05'12"	30°08'36"	30°05'09"	30°38'47"	30°20'32"	30°14'51"	29°52'37"	29°54'31"	30°16'19"
Longitude	95°45'46"	95°45'12"	95°17'59"	95°40'29"	95°32'30"	95°27'39"	95°29'36'	95°34'12"	95°32'47"
Linear reach length (m)	64.2	78.4	627	68.6	126	395	339	291	74.8
Curvilinear reach length (m)	123	137	687	123	141	426	393	294	82.6
Sinuosity	1.9	1.7	1.1	1.8	1.1	1.1	1.2	1.0	1.1
Reach slope	.0008	.0005	.00009	.002	.0005	.0003	.0002	.0001	.0003
Number of snags	5	0	0	2	0	0	0	0	0
Number of other obstructions	15	13	77	7	45	0	0	1	8
Number of stumps	0	1	4	1	4	0	0	0	0
Structural index	163	102	118	81.2	348	0	0	3.40	96.9
Number of undercut banks	0	0	0	0	0	0	0	0	0
Number of bars	4	3	2	0	4	2	1	0	1
Mean right bank slope	.054	.088	.024	.075	.071	.053	.051	.037	.11
Mean left bank slope	.17	.095	.064	.072	.041	.069	.043	.055	.21
Mean bank slope	.11	.092	.044	.074	.056	.061	.047	.046	.16
Mean channel width (m)	18.2	15.7	101	14.9	36.4	65.1	45.0	47.2	16.7
Mean right bank height (m)	2.3	2.6	4.0	2.3	5.9	5.9	6.4	3.8	3.3
Mean left bank height (m)	3.6	2.3	4.6	2.6	4.8	6.4	2.8	4.2	3.7
Mean bank height/width ratio	.14	.083	.054	.17	.22	.065	.16	.22	.30
Mean wetted channel width (m)	7.27	11.1	24.9	5.34	8.37	32.8	9.11	5.81	3.60
Mean depth (m)	.55	.64	.46	0	.26	0	.43	.30	.34
Mean velocity (m/s)	.21	.26	.22	0	.36	0	.52	.20	.26
RCE	306	247	225	227	270	211	100	81	180
RCE maximum value	93	75	68	69	82	64	30	25	55
Dissolved oxygen (mg/L)	5.9	5.8	--	4.9	8.0	9.1	6	5.7	4.0
pH (standard units)	7.4	7.8	--	6.9	6.4	6.9	8.2	8.0	6.9
Conductance (µS)	169	220	--	365	247	128	792	806	269
Secchi-disk depth (m)	.57	--	--	.20	--	--	.48	--	.25
Temperature (°C)	27.7	25.4	--	27.3	24.5	17.0	28.5	26.8	25.3