



# Barataria-Terrebonne NATIONAL ESTUARY PROGRAM

## Marsh Vegetation-Types of Barataria and Terrebonne Estuaries: 1968- Present

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MARSH VEGETATION-TYPES OF BARATARIA AND  
TERREBONNE ESTUARIES: 1968-PRESENT

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**MARSH VEGETATION-TYPES OF  
BARATARIA AND TERREBONNE ESTUARIES 1968-PRESENT**



A publication of the  
**Barataria-Terrebonne National Estuary Program**

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## **ABSTRACT**

The data collected by R. Chabreck and G. Linscombe in coastal Louisiana has been the basis, since 1970, for the delineation of four major vegetation zones in coastal Louisiana. However, due to the limitations of computer hardware and software at that time, analysis of this large dataset was limited. The objective of this study was to analyze in detail the original vegetation data collected by R. Chabreck and others from 1968-1992 in wetlands of the Barataria and Terrebonne estuary to determine naturally occurring vegetation associations and how these are changing through time.

Two-way indicator species analysis revealed nine vegetation types for the Barataria and Terrebonne basins in 1968. These vegetation types were: polyhaline mangrove, polyhaline oystergrass, mesohaline mix, mesohaline wiregrass, oligohaline wiregrass, oligohaline mix, fresh bulltongue, fresh maidencane, and fresh cutgrass.

Areas that were repeatedly visited from 1968 through 1992 were limited to the north-western quadrant of Terrebonne basin and excluded areas of high salinity. The most striking change in vegetation in northwestern Terrebonne is the rapid increase of the fresh spikerush vegetation type. Most of this change (from 3% to 39% of the fresh marsh) occurred in the period between 1968 and 1978. However, this vegetation type is still expanding (from 45% in 1984 to 53% in 1992). Most of this expansion has come from a conversion of fresh maidencane marsh.

## INTRODUCTION

The vegetation of the marshes of the Barataria and Terrebonne Estuarine Systems (BTES) were first scientifically described by Penfound and Hathaway (1938). O'Neil (1949) was the first to map the distribution of major vegetation associations for the Louisiana coastal region. In 1968, the U. S. Corps of Engineers and the Louisiana Wildlife and Fisheries Commission funded a large scale effort to collect data on vegetation, soils, and waters of the Louisiana coastal marshes (Chabreck 1972). The data collected by R. Chabreck and G. Linscombe in coastal Louisiana has been the basis, since 1970, for the delineation of four major vegetation zones in coastal Louisiana. However, due to the limitations of computer hardware and software at that time, analysis of this large dataset was limited.

The objective of this study is to analyze in detail the original vegetation data collected by R. Chabreck and others (Table 1) from 1968-1992 in wetlands of the Barataria and Terrebonne estuary to determine naturally occurring vegetation associations and how these are changing through time. This data set is the best existing comprehensive data base with which to assess the vegetation dynamics in the BTNEP region.

## METHODS

### Available Data

#### 1968

In 1968, a coastwide survey of vegetation was done by the Louisiana Wildlife and Fisheries Commission and the U.S. Army Corps of Engineers (USACOE). Sampling stations were located along north-south transects spaced at 13 km (7.5° longitude) intervals (Figure 1). Along these transects stations were located at 0.4 km intervals (0.25 mile, 18 seconds of helicopter flight time) starting from the Gulf of Mexico. Transects and stations within the two basins are given in Table 1 and approximate latitude and longitude of each station are provided in Appendix A.

#### 1978

In 1978, only the fresh to intermediate salinity stations from transects 22, 23, and 24 in Terrebonne basin were revisited for complete vegetation surveys. These surveys by R. Chabreck and G. Linscombe were funded by the USACOE as part of a study on the possible impacts from the Avoca Island levee. Other transects (funded by the Louisiana Department of Wildlife and Fisheries) were surveyed solely for the demarcation between the major vegetation zones (salt, brackish, intermediate, fresh).

For the present analysis, stations on the revisited transects (USACOE study) were renumbered starting from the northern edge of marsh during the survey. Station numbers in 1968 and 1978 were aligned for trend analysis based on maps used for both surveys as well as notes on landmarks from the survey sheets. Alignment of stations on repeated transects are provided in Appendix B.

Table 1. Transects and stations located within Barataria and Terrebonne basins that were sampled in 1968.

Transect	Observers	Stations	
		Barataria	Terrebonne
21	A. W. Palmisano & J. T. Joanen		2-19
22	H. Bateman & R. H. Chabreck		5-162
23	A. W. Palmisano & J. T. Joanen		4-147
24	H. Bateman & R. H. Chabreck		5-194
25	A. W. Palmisano & J. T. Joanen		4-214
26	H. Bateman & R. H. Chabreck	234-265	11-233
27	A. W. Palmisano & J. T. Joanen	134-272	6-133
28	H. Bateman & R. H. Chabreck	178-266	6-177
29	A. W. Palmisano & J. T. Joanen	125-295	4-124
30	H. Bateman & R. H. Chabreck	13-277	
31	A. W. Palmisano & H. Bateman	6-195	
32	H. Bateman & R. H. Chabreck	2-109	
33	A. W. Palmisano & J. T. Joanen	1-82	
34	H. Bateman & R. H. Chabreck	2-56	
35	A. W. Palmisano & J. T. Joanen	1-79	
36	H. Bateman & R. H. Chabreck	1-79	

#### 1984

In 1984 as part of the continued USACOE study, only every other station (0.5 mile intervals) in the fresh through brackish zones from transects 22, 23, and 24 in Terrebonne basin were revisited for complete vegetation surveys by R. Chabreck and G. Linscombe. Stations were renumbered starting from the northern edge of marsh during the survey and stations in large expanses of open water were not numbered. We aligned stations numbers from the 1984 data set to match with station numbers from 1968 and 1978 for trend analysis based on maps used for all surveys as well as notes on landmarks from the survey sheets. Three additional transects were established evenly spaced between the existing transects in western Terrebonne Basin in 1984. However, due to comparability over the time of the survey these data were not used for trend analysis.

#### 1992

In 1992, the same stations were visited as in 1984. Although stations were renumbered in the same manner as in 1984, areas of open water had changed so that alignment with station numbers from 1984 based on notes on landmarks from the survey sheets was necessary for trend analysis.

#### Vegetation Sampling

Vegetation was surveyed by one observer from a helicopter hovering above the station. Each species occurring in a 30 m (100 ft) radius from the station was recorded and assigned an abundance value. Abundance values used were: 3 = highly abundant, 2 = moderately abundant,

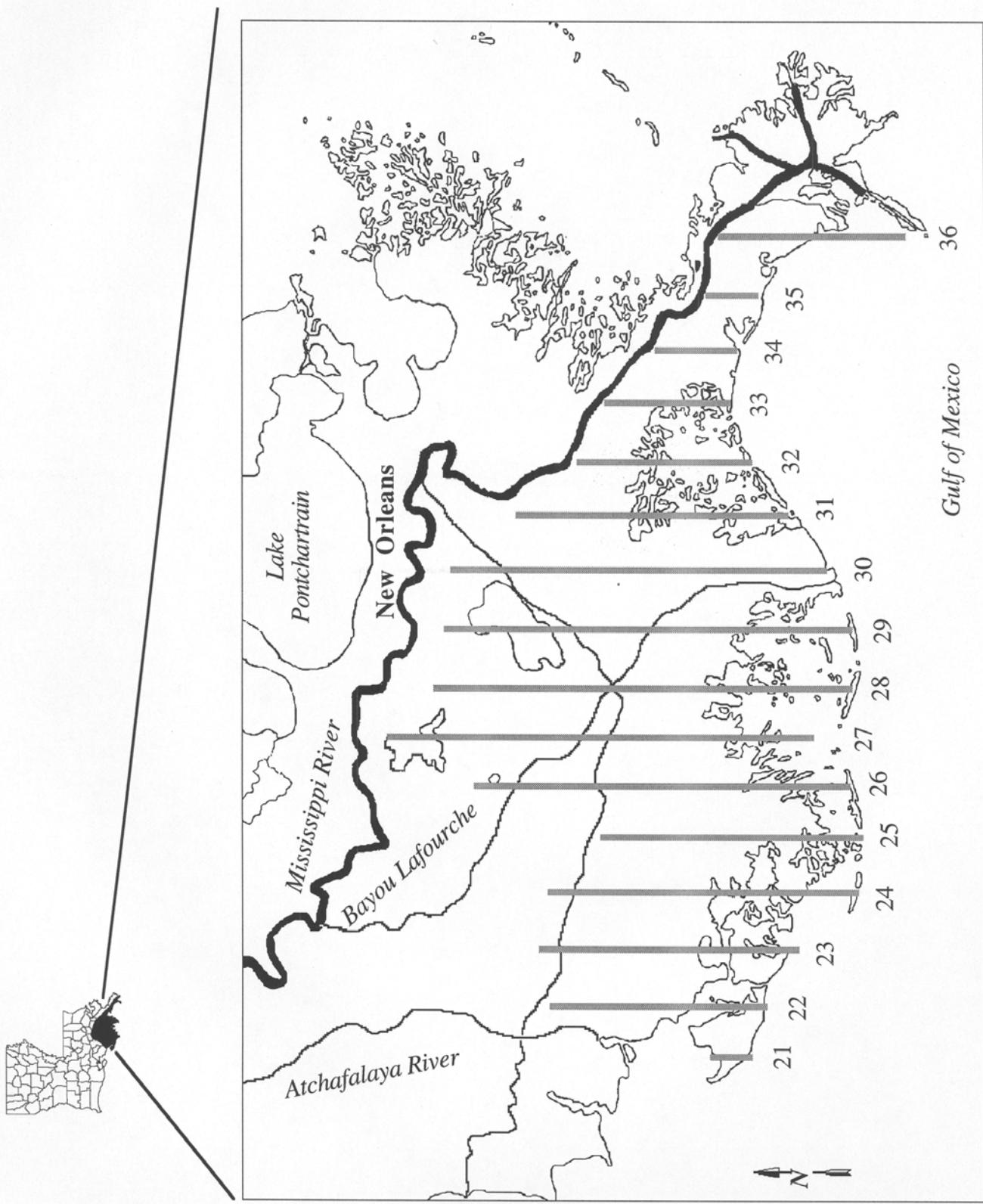


Figure 1. Location of the 1968 vegetation transects in Barataria and Terrebonne Basins.

and 1 = rare. In addition, the station was classified as: natural marsh, forested (shrubs or trees), de-watered marsh, open water, beach, natural levee or ridge, spoilbank, or developed. Plant species nomenclature in this report follows Godfrey and Wooten (1981).

### Salinity

Interstitial water salinity (ppt) was obtained for the subsample of stations with data in 1968. Salinity samples were taken at the vegetation stations at an interval of approximately every 2 miles and therefore salinity data represents approximately 12% of the vegetation stations.

### Vegetation Analysis

Only those stations classified as natural marsh were used for the vegetation analyses. Before the start of the analyses all submerged, free-floating, and tree species were removed. Species that might not have been identified correctly such as some grasses and sedges were grouped by genus. After this, species occurring in less than 5 stations (approximately 1% of the stations in each analysis) were removed. These are standard vegetation analysis methods (see Kent and Coker 1994).

Separate data sets were compiled for Barataria Basin 1968, Terrebonne 1968, and repeated stations in Terrebonne from 1968 through 1992. These data sets were clustered using two-way indicator species analysis (TWINSPAN) using the standard setting of the program (Hill 1979). Resulting TWINSPAN tables for Barataria and Terrebonne in 1968 were compared to derive similar vegetation types for both basins. Due to the limitations in the volume of data (500 stations) that can be used in one analysis it was not possible to analyze data for both basins combined.

## RESULTS

### Vegetation Types in Barataria and Terrebonne in 1968

TWINSPAN revealed nine vegetation types for the BTNEP area in 1968 (Figure 2). For both basins the first split seems to divide stations with high salinities from those with low salinity. Indicator species for high salinity plots were: *Spartina alterniflora* and *Distichlis spicata* (in both basins), *Spartina patens* (Barataria), and *Juncus roemerianus* (Terrebonne). Indicator species for low salinity plots were: *Panicum hemitomon* and *Eleocharis* spp. (in both basins), *Sagittaria lancifolia* (Barataria), and *Typha* spp. (Terrebonne). Subsequent splits are different for each basin however resulting vegetation types are similar for both basins.

The percentage occurrence of vegetation types in both basins shows a few differences (Figure 3). In general, Barataria Basin seems to have larger percentages of mesohaline marsh types, while Terrebonne has larger percentages of fresh maidencane and polyhaline marsh types. Below follows a description for each vegetation type. Appendix C provides a complete list of species and abundance for each vegetation type.

## **Summary Twinspan Analysis 1968**

## **Barataria Basin**

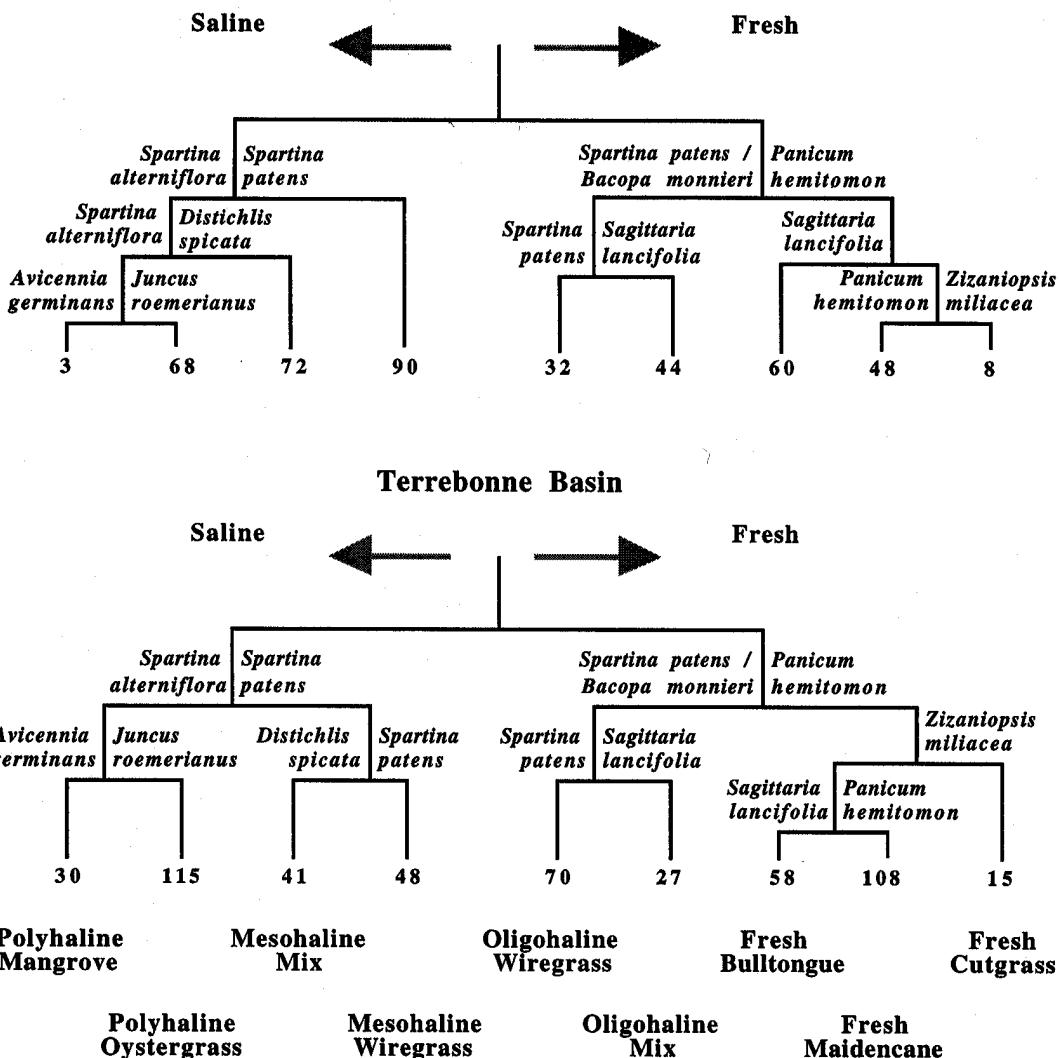


Figure 2. Results from the TWINSPAN analyses for vegetation data from Barataria and Terrebonne Basins in 1968. Species on either side of the split are the main indicator species for that side of the split.

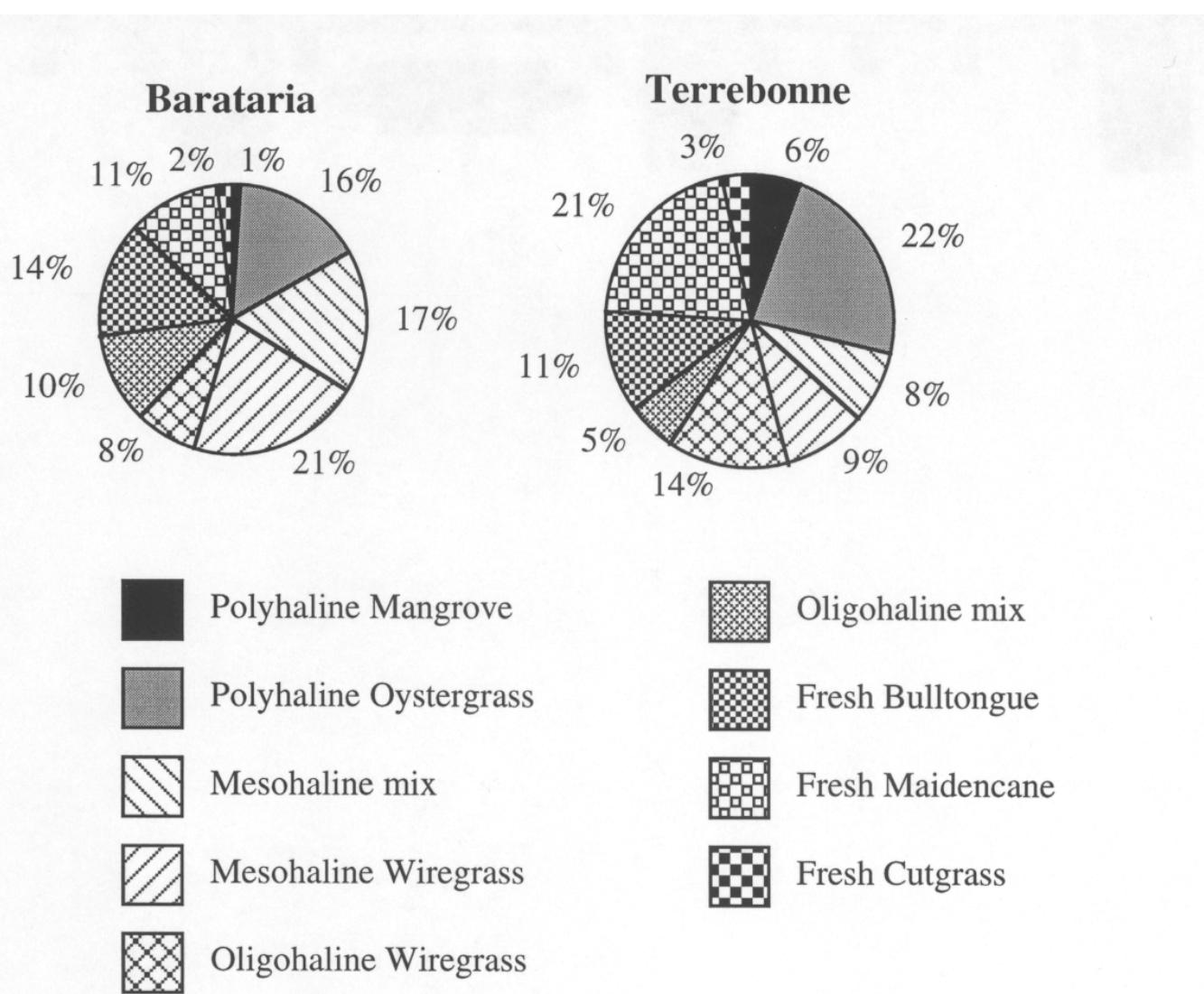


Figure 3. Percent occurrence of each vegetation type in Barataria and Terrebonne Basins for 1968.

Figure 4 shows the general geographical distribution of the vegetation types over the two basins. While the actual vegetation type at each station is shown on Plate 1.

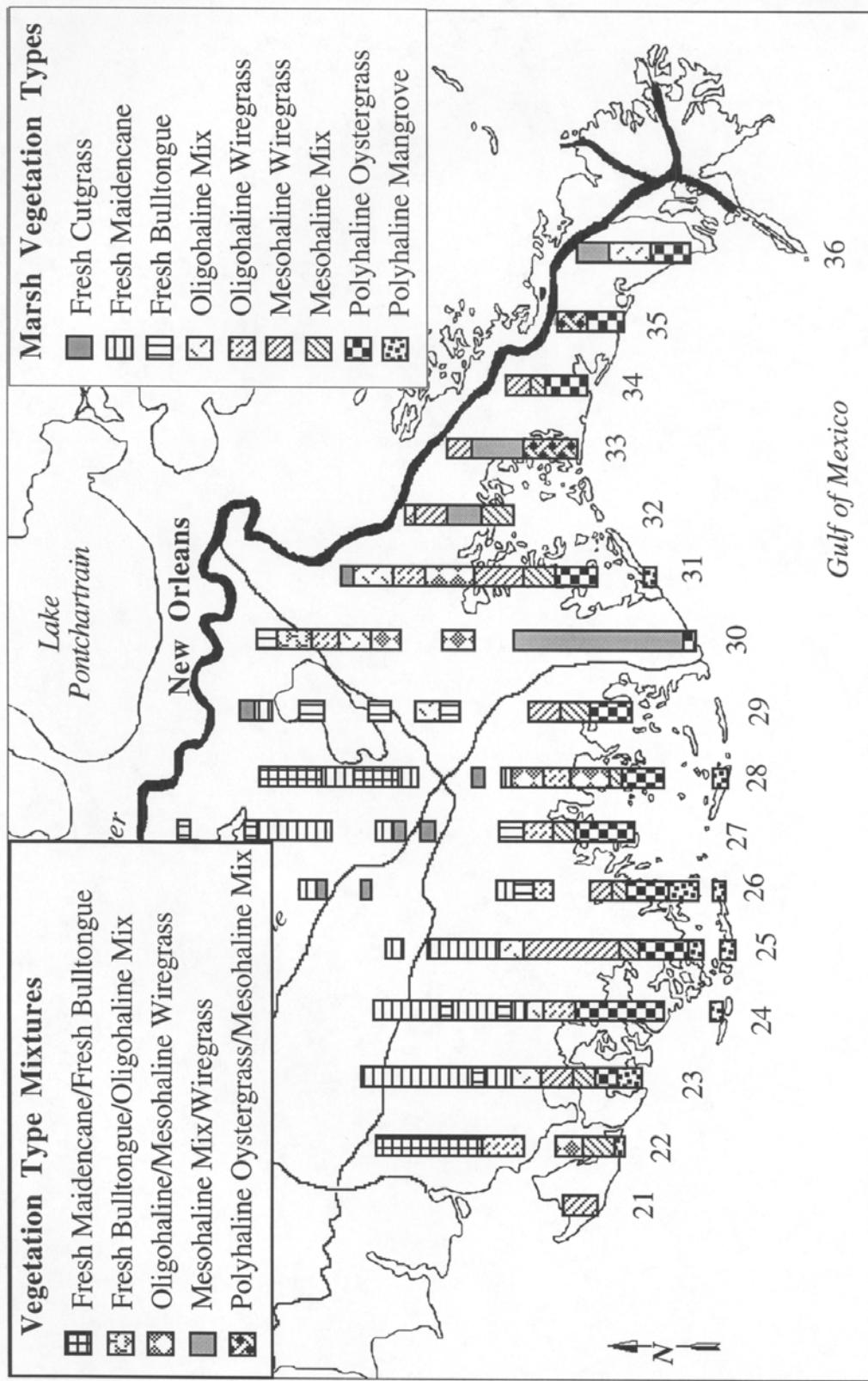


Figure 4. General distribution of marsh vegetation types in Barataria and Terrebonne Basins for 1968.

**1. Polyhaline Mangrove.** This vegetation type is rare in Barataria Basin (1%) and slightly more common in Terrebonne Basin (6%). It occurs mostly flanking the large bays (Figure 4). This vegetation type has relatively low diversity (4.3 species per station), with a total of 14 species observed in this vegetation type. The average salinity is  $16.2 \pm 7.6^1$  ppt.

**Co-dominant:** *Spartina alterniflora, Avicennia germinans, Batis maritima*

**Frequently present<sup>1</sup>:** *Iva frutescens, Borrichia frutescens, Distichlis spicata, Salicornia virginica*

**2. Polyhaline Oystergrass.** This vegetation type is common in both basins (Barataria 16% and Terrebonne Basin 22%). It occurs mostly flanking the large bays (Figure 4). Diversity is extremely low (2.7 species per station), but 26 species have been observed in this vegetation type. The average salinity is  $17.5 \pm 5.9$  ppt.

**Dominant:** *Spartina alterniflora*

**Frequent co-dominant:** *Juncus roemerianus*

**Frequently present:** *Distichlis spicata*

**3. Mesohaline Mix.** This vegetation type is common in Barataria Basin (17%) and slightly less common in Terrebonne Basin (8%). It occurs just inland from the polyhaline vegetation types (Figure 4). This vegetation type has relatively low diversity (4.0 species per station), with a total of 30 species observed in this vegetation type. The average salinity is  $12.9 \pm 4.8$  ppt.

**Co-dominant:** *Distichlis spicata, Spartina alterniflora, Spartina patens*

**Frequently present:** *Juncus roemerianus*

**4. Mesohaline Wiregrass.** This vegetation type is common in Barataria Basin (21%) and slightly less common in Terrebonne Basin (9%). It occurs generally just inland from the mesohaline mix (Figure 4). This vegetation type has relatively low diversity (4.6 species per station), with a total of 37 species observed in this vegetation type. The average salinity is  $10.4 \pm 5.8$  ppt.

**Dominant:** *Spartina patens*

**Frequent co-dominant:** *Distichlis spicata*

**Frequently present:** *Juncus roemerianus, Spartina alterniflora, Iva frutescens*

**5. Oligohaline Wiregrass.** This vegetation type is common in Terrebonne Basin (14%) and slightly less common in Barataria Basin (8%). It occurs generally just inland from the mesohaline wiregrass (Figure 4). This vegetation type has relatively high diversity (7.6 species per station), with a total of 55 species observed in this vegetation type. The average salinity is  $5.1 \pm 3.2$  ppt.

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<sup>1</sup> Occurs in more than 25% of the stations

**Dominant:** *Spartina patens*

**Frequent co-dominant:** *Scirpus americanus*

**Frequently present:** *Eleocharis* spp, *Cyperus* spp, *Pluchea* spp, *Vigna luteola*, *Bacopa monnieri*, *Sesbania* spp, *Ipomoea sagittata*

6. **Oligohaline Mix.** This vegetation type is common in Barataria Basin (10%) and slightly less common in Terrebonne Basin (5%). It occurs generally interspersed with the oligohaline wiregrass (Figure 4). This vegetation type has relatively high diversity (8.0 species per station), with a total of 49 species observed in this vegetation type. The average salinity is  $3.4 \pm 1.1$  ppt.

**Dominant:** *Sagittaria lancifolia*

**Frequently present:** *Cyperus* spp, *Echinochloa* spp, *Bacopa monnieri*, *Eleocharis* spp, *Pluchea* spp, *Typha* spp, *Setaria magna*

7. **Fresh Bulltongue.** This vegetation type is common in Barataria Basin (14%) and Terrebonne Basin (11%). It occurs generally inland from the oligohaline vegetation types (Figure 4). This vegetation type has relatively high diversity (7.0 species per station), with a total of 52 species observed in this vegetation type. The average salinity is  $1.5 \pm 1.0$  ppt.

**Dominant:** *Sagittaria lancifolia*

**Frequent co-dominant:** *Panicum hemitomon*, *Eleocharis* spp

**Frequently present:** *Typha* spp, *Myrica cerifera*, Ferns, *Hydrocotyle* spp

- 8. Fresh Maidencane.** This vegetation type is common in Terrebonne Basin (21%) and less common in Barataria Basin (11%). It occurs generally interspersed with the fresh bulltongue (Figure 4). This vegetation type has relatively high diversity (5.8 species per station), with a total of 55 species observed in this vegetation type. The average salinity is  $0.5\pm0.4$  ppt.

**Dominant:** *Panicum hemitomon*

**Frequent co-dominant:** *Eleocharis* spp

**Frequently present:** *Hydrocotyle* spp, *Typha* spp, *Cephalanthus occidentalis*, *Cyperus* spp, *Decodon verticillatus*, *Ludwigia* spp

- 9. Fresh Cutgrass.** This vegetation type is relatively uncommon in Terrebonne Basin (3%) and Barataria Basin (2%). It occurs mostly along the natural levee of Bayou Lafourche (Figure 4). This vegetation type has relatively low diversity (4.3 species per station), with a total of 23 species observed in this vegetation type. The average salinity is  $0.5\pm0.4$  ppt.

**Dominant:** *Zizaniopsis miliacea*

**Frequent co-dominant:** *Panicum hemitomon*

**Frequently present:** *Cephalanthus occidentalis*, *Sagittaria latifolia*, *Hydrocotyle* spp

### Vegetation Types in Terrebonne 1968–92

Areas that were repeatedly visited from 1968 through 1992 were limited to the north-western quadrant of Terrebonne basin and excluded areas of high salinity. Therefore, only a subset of the above mentioned vegetation types were observed in this area (Figure 5). One new vegetation type—fresh spikerush—was found that has been previously described as thin-mat marsh (Sasser et al. 1995). Below follows a description of this fresh spikerush vegetation type. Appendix D provides a complete list of species and abundance for each vegetation type described for the repeated stations. Plate 2 shows the distribution of these vegetation types in the four years that surveys were conducted.

**Summary TWINSPAN Analysis**  
**Repeated Stations Terrebonne 1968–92**

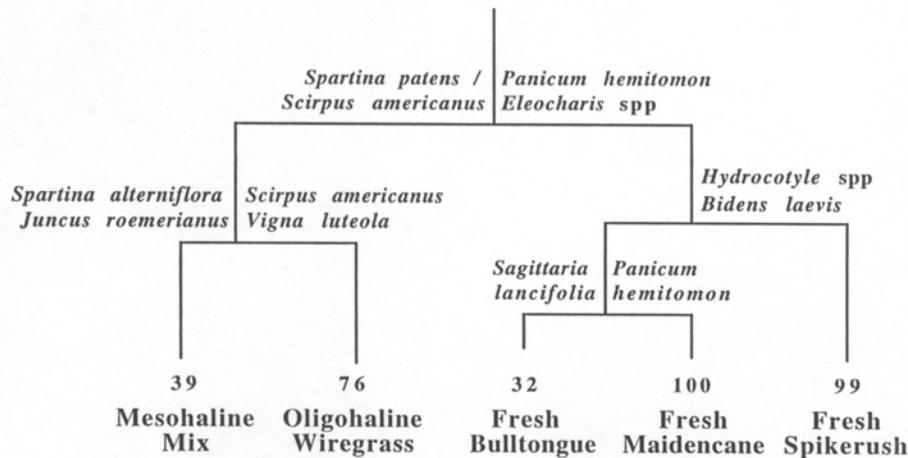


Figure 5. Results from the TWINSPAN analyses for vegetation data from areas that were repeatedly visited between 1968 and 1992. Species on either side of the split are the main indicator species for that side of the split.

**10. Fresh Spikerush.** This vegetation type was very rare in 1968 (Figure 6). Only three of the stations in northern Terrebonne were classified as this type, when combined with the data from later years. Due to the small number of stations in this vegetation type in 1968, these stations were classified as fresh maidencane in the previous analysis. This vegetation type has relatively low diversity (3.9 species per station), with a total of 37 species observed in this vegetation type.

**Co-dominant:** *Hydrocotyle spp, Eleocharis spp*

**Frequent co-dominant:** *Bidens laevis*

**Frequently present:** *Ludwigia spp, Aeschynomene indica*

**Northwestern Terrebonne  
stations that were visited in all years**

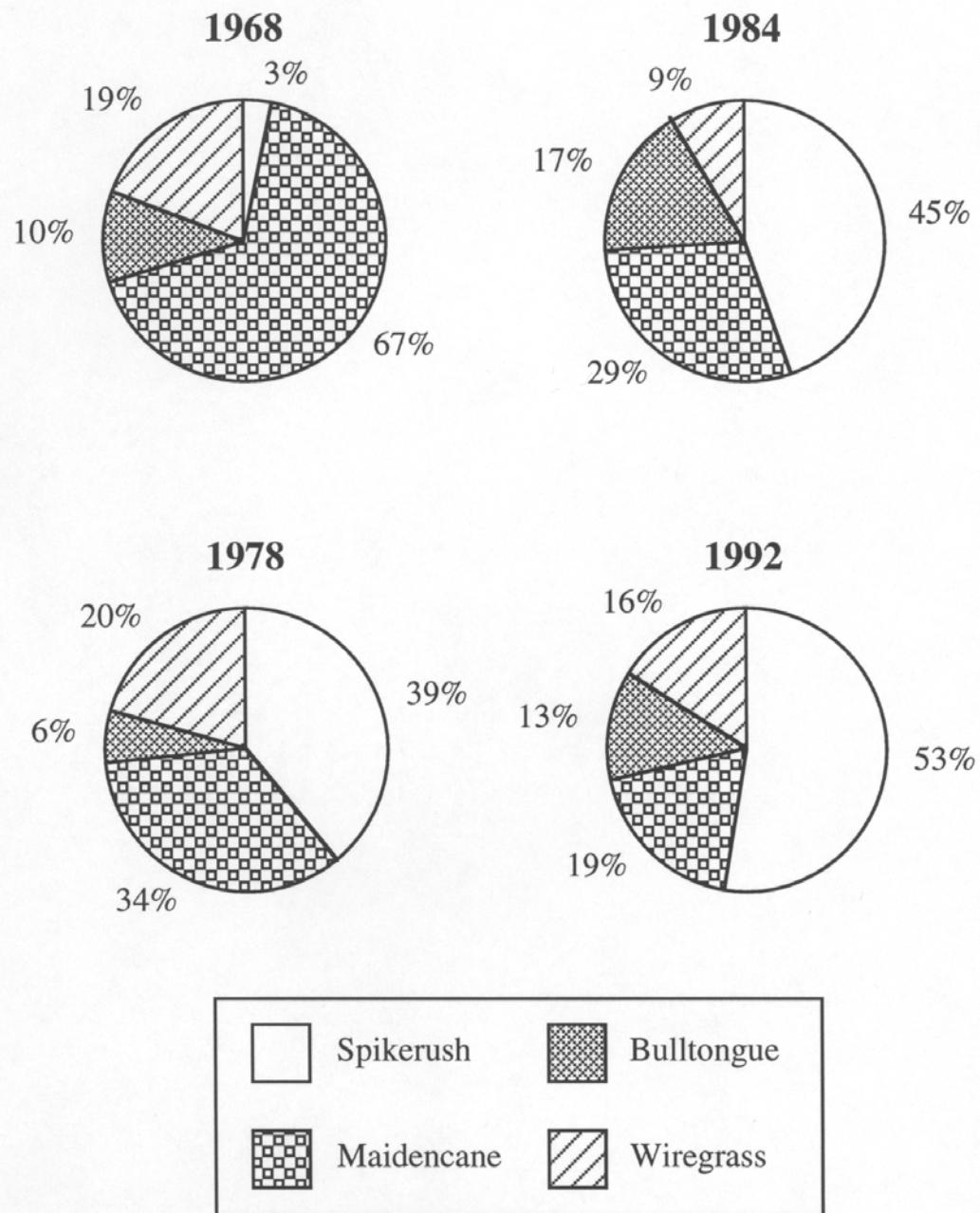


Figure 6. Percent occurrence of each vegetation type in the period 1968 through 1992, only the data from stations visited in all years were included in this figure.

## **Vegetation Change in Terrebonne 1968–92**

The most striking change in vegetation in northwestern Terrebonne is the rapid increase of the fresh-spikerush type. Most of this change (3% to 39%) occurred in the period between 1968 and 1978 (Figure 6). However, this vegetation type is still expanding (45% in 1984, 53% in 1992). Most of this expansion has come from a conversion of fresh-maidencane marsh.

The other change is the decrease in oligohaline wiregrass between 1978 and 1984 (20% to 9%) as it converted to fresh-bulltongue marsh. However, by 1992 oligohaline wiregrass increased again to 16%.

## **DISCUSSION**

### **Vegetation Types in Barataria and Terrebonne in 1968**

The nine vegetation types described for 1968 are a logical expansion from the four vegetation-salinity zones previously described by Chabreck (1970) and Penfound and Hathaway (1938). These vegetation-salinity zones are the following:

Saline Marsh:

Vegetation is a combination of *Spartina alterniflora*, *Juncus roemerianus*, *Batis maritima*, *Avicennia germinans*, and *Distichlis spicata*. Salinity averaged at 18 ppt and ranged from 8 to 29 ppt.

Brackish Marsh:

Vegetation is a combination of *Spartina patens*, *Scirpus americanus*, *Scirpus robustus*, and *Eleocharis parvula*. Salinity averaged at 10 ppt and ranged from 4 to 18 ppt.

Intermediate Marsh:

Vegetation is a combination of *Spartina patens*, *Vigna luteola*, *Scirpus californicus*, *Echinochloa walteri*, *Sagittaria* sp., *Cladium jamaicense*, and *Phragmites australis*. Salinity averaged at 4 ppt and ranged from 2 to 8 ppt.

Fresh Marsh:

Vegetation is a combination of *Panicum hemitomon*, *Hydrocotyle* sp., *Pontederia cordata*, *Sagittaria* sp., and *Althernanthera philoxeroides*. Salinity averaged at 0 ppt and ranged from 0 to 3 ppt.

The saline marsh is expanded by the addition of the polyhaline mangrove vegetation type, which is relatively rare in Barataria Basin (which was the area used by Penfound and Hathaway to define the marsh types). The mesohaline mix vegetation type is a transition zone from the saline to the brackish marsh. The occurrence of *Distichlis spicata* in this vegetation type generally indicates a slightly higher elevation in this vegetation type than the elevation in the Oystergrass vegetation type (Shiflet 1963, Bertness and Ellison 1987) The mesohaline wiregrass vegetation

type is similar in species composition to the brackish marsh as described by Chabreck (1970).

The intermediate marsh is divided into the oligohaline wiregrass and the oligohaline mix. Other studies (Sasser

et al. 1994, Visser et al. 1994, Sasser et al. 1996) have mentioned these different vegetation types in the intermediate salinity zone before. Visser et al. (1994) calls the oligohaline mix a bacopa marsh, characterized by *Bacopa monnieri*, *Sagittaria lancifolia*, *Eleocharis* spp, *Pluchea camphorata*, and *Leptochloa fascicularis*, while Sasser et al. (1994) calls this marsh type *Sagittaria lancifolia* intermediate marsh. The oligohaline wiregrass marsh seems very similar in species composition to the floating-brackish marshes described by O’Neil (1949).

The fresh maidencane and the fresh bulltongue vegetation type have been previously described by Sasser et al.(1995). The fresh cutgrass is a vegetation type previously described by Shiflet (1963) as occurring on firm mineral soils in the Chenier Plain of Louisiana.

### Terrebonne 1968-92

#### Vegetation Change in

The expansion of the fresh spikerush vegetation type in northwestern Terrebonne Basin is the most dramatic change documented by this study. The occurrence of this vegetation type has been previously described by Sasser et al. (1994) for both Barataria and Terrebonne basins based on 1990 imagery. A comparison of the results from this study versus the results from the mapping study by Sasser et al. (1994) reveals that the change from fresh maidencane to fresh spikerush was more dramatic in Terrebonne Basin, but a large area in Barataria has also changed (Figure 7). Changes demonstrated in Figure 6 and 7 are not directly comparable, because the data for Figure 6 is for northwestern Terrebonne only and the data for Figure 7 covers all off Terrebonne Basin’s fresh marshes.

The question whether the fresh spikerush vegetation type is a transitional type in a degradation towards open water, or a stage in succession from open water to floating maidencane marsh posed by Sasser et al. (1995) can not be answered due to the large time periods between sampling. However, both trends can be shown for a few stations. The change from Maidencane to open water to Spikerush occurred at the following stations: 22-014, 23-018, 23-022, 23-031, 24-014, and 24-019 (see Appendix B and Plate 2). While the change of Maidencane to Spikerush to open water occurred at the stations: 23-011, 23-017, 23-021, and 24-035.

The relatively small change in proportions of the fresh bulltongue and oligohaline wiregrass vegetation types (Figure 6) might reflect temporal changes in salinity. The expected change towards more saline vegetation types due to salinity intrusion (Gosselink 1985, Wang 1988) along this border of fresh and intermediate vegetation types is not shown by this study. This might be due to the relative proximity of the study area to the Atchafalaya River.

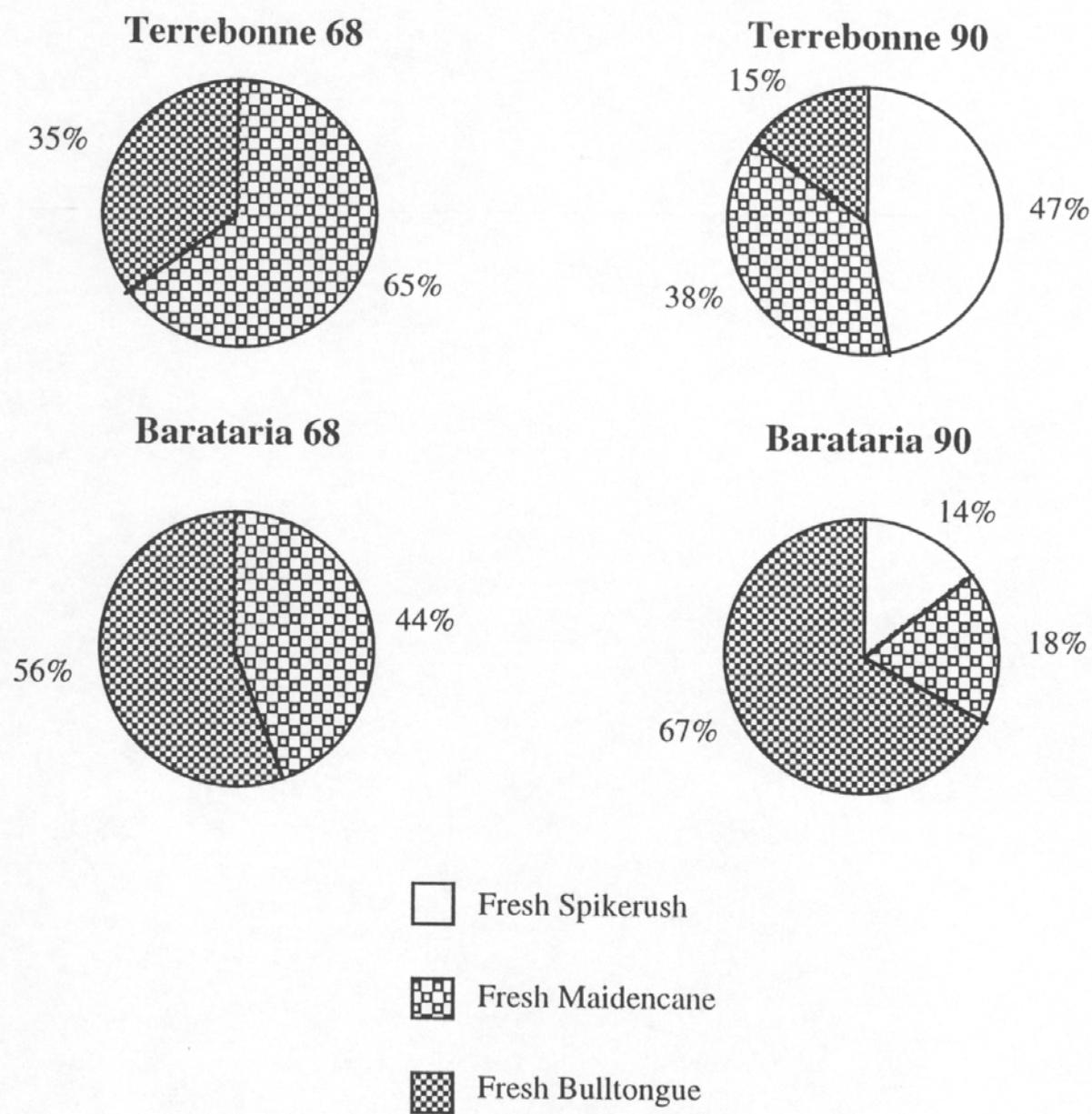


Figure 7. Percent occurrence of fresh vegetation types in 1968 (this study) versus 1990 (Sasser et al. 1994). This comparison can only be used for large change detection, because vegetation types in both studies were determined with different methods. Several of Sasser et al. (1994) categories were combined to calculate the percentage in the three vegetation types determined in this study.

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**Appendix A**

**Approximate Location of Sampling Stations**

**and Vegetation Types in 1968**

## Transect 21

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Terrebonne	002	29°15'12"	91°17'30"	Mesohaline Mix
Terrebonne	003	29°15'24"	91°17'30"	Mesohaline Wiregrass
Terrebonne	004	29°15'36"	91°17'30"	Mesohaline Wiregrass
Terrebonne	005	29°15'48"	91°17'30"	Mesohaline Wiregrass
Terrebonne	006	29°16'00"	91°17'30"	open water
Terrebonne	007	29°16'12"	91°17'30"	Mesohaline Wiregrass
Terrebonne	008	29°16'25"	91°17'30"	Mesohaline Wiregrass
Terrebonne	011	29°16'37"	91°17'30"	Mesohaline Wiregrass
Terrebonne	012	29°16'49"	91°17'30"	Mesohaline Wiregrass
Terrebonne	013	29°17'01"	91°17'30"	Mesohaline Wiregrass
Terrebonne	014	29°17'13"	91°17'30"	Mesohaline Wiregrass
Terrebonne	015	29°17'25"	91°17'30"	Mesohaline Wiregrass
Terrebonne	016	29°17'37"	91°17'30"	Mesohaline Wiregrass
Terrebonne	017	29°17'49"	91°17'30"	Mesohaline Wiregrass
Terrebonne	018	29°18'01"	91°17'30"	Mesohaline Wiregrass
Terrebonne	021	29°18'13"	91°17'30"	Mesohaline Wiregrass

## Transect 22

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Terrebonne	005	29°12'16"	91°10'00"	Polyhaline Mangrove
Terrebonne	006	29°12'28"	91°10'00"	Mesohaline Mix
Terrebonne	007	29°12'40"	91°10'00"	Mesohaline Mix
Terrebonne	008	29°12'52"	91°10'00"	Mesohaline Mix
Terrebonne	011	29°13'04"	91°10'00"	open water
Terrebonne	012	29°13'16"	91°10'00"	Mesohaline Mix
Terrebonne	013	29°13'29"	91°10'00"	open water
Terrebonne	014	29°13'41"	91°10'00"	open water
Terrebonne	015	29°13'53"	91°10'00"	open water
Terrebonne	016	29°14'05"	91°10'00"	Mesohaline Mix
Terrebonne	017	29°14'17"	91°10'00"	Mesohaline Mix
Terrebonne	018	29°14'29"	91°10'00"	Mesohaline Wiregrass
Terrebonne	021	29°14'41"	91°10'00"	Mesohaline Wiregrass
Terrebonne	022	29°14'53"	91°10'00"	open water
Terrebonne	023	29°15'05"	91°10'00"	open water
Terrebonne	024	29°15'17"	91°10'00"	open water
Terrebonne	025	29°15'30"	91°10'00"	open water
Terrebonne	026	29°15'42"	91°10'00"	open water
Terrebonne	027	29°15'54"	91°10'00"	open water
Terrebonne	028	29°16'06"	91°10'00"	open water
Terrebonne	031	29°16'18"	91°10'00"	open water
Terrebonne	032	29°16'30"	91°10'00"	open water
Terrebonne	033	29°16'42"	91°10'00"	open water
Terrebonne	034	29°16'54"	91°10'00"	open water
Terrebonne	035	29°17'06"	91°10'00"	open water
Terrebonne	036	29°17'18"	91°10'00"	Mesohaline Wiregrass
Terrebonne	037	29°17'30"	91°10'00"	Oligohaline Wiregrass
Terrebonne	038	29°17'43"	91°10'00"	Oligohaline Wiregrass
Terrebonne	041	29°17'55"	91°10'00"	Mesohaline Wiregrass

## Transect 22 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	042	29°18'07"	91°10'00"	open water
Terrebonne	043	29°18'19"	91°10'00"	open water
Terrebonne	044	29°18'31"	91°10'00"	open water
Terrebonne	045	29°18'43"	91°10'00"	open water
Terrebonne	046	29°18'55"	91°10'00"	open water
Terrebonne	047	29°19'07"	91°10'00"	open water
Terrebonne	048	29°19'19"	91°10'00"	open water
Terrebonne	051	29°19'31"	91°10'00"	open water
Terrebonne	052	29°19'44"	91°10'00"	open water
Terrebonne	053	29°19'56"	91°10'00"	open water
Terrebonne	054	29°20'08"	91°10'00"	open water
Terrebonne	055	29°20'20"	91°10'00"	Oligohaline Wiregrass
Terrebonne	056	29°20'32"	91°10'00"	natural levee
Terrebonne	057	29°20'44"	91°10'00"	Oligohaline Wiregrass
Terrebonne	058	29°20'56"	91°10'00"	Oligohaline Wiregrass
Terrebonne	061	29°21'08"	91°10'00"	Oligohaline Wiregrass
Terrebonne	062	29°21'20"	91°10'00"	Oligohaline Wiregrass
Terrebonne	063	29°21'32"	91°10'00"	Oligohaline Wiregrass
Terrebonne	064	29°21'45"	91°10'00"	open water
Terrebonne	065	29°21'57"	91°10'00"	open water
Terrebonne	066	29°22'09"	91°10'00"	natural levee
Terrebonne	067	29°22'21"	91°10'00"	Oligohaline Wiregrass
Terrebonne	068	29°22'33"	91°10'00"	Fresh Bulltongue
Terrebonne	071	29°22'45"	91°10'00"	Oligohaline Wiregrass
Terrebonne	072	29°22'57"	91°10'00"	Oligohaline Wiregrass
Terrebonne	073	29°23'09"	91°10'00"	Oligohaline Wiregrass
Terrebonne	074	29°23'21"	91°10'00"	Oligohaline Wiregrass
Terrebonne	075	29°23'33"	91°10'00"	Oligohaline Wiregrass
Terrebonne	076	29°23'45"	91°10'00"	Oligohaline Wiregrass
Terrebonne	077	29°23'58"	91°10'00"	Fresh Bulltongue
Terrebonne	078	29°24'10"	91°10'00"	natural levee
Terrebonne	081	29°24'22"	91°10'00"	Oligohaline Wiregrass
Terrebonne	082	29°24'34"	91°10'00"	Oligohaline Wiregrass
Terrebonne	083	29°24'46"	91°10'00"	Oligohaline Wiregrass
Terrebonne	084	29°24'58"	91°10'00"	trees or shrubs
Terrebonne	085	29°25'10"	91°10'00"	trees or shrubs
Terrebonne	086	29°25'22"	91°10'00"	Fresh Bulltongue
Terrebonne	087	29°25'34"	91°10'00"	Fresh Bulltongue
Terrebonne	088	29°25'46"	91°10'00"	natural levee
Terrebonne	091	29°25'59"	91°10'00"	Fresh Bulltongue
Terrebonne	092	29°26'11"	91°10'00"	trees or shrubs
Terrebonne	093	29°26'23"	91°10'00"	trees or shrubs
Terrebonne	094	29°26'35"	91°10'00"	trees or shrubs
Terrebonne	095	29°26'47"	91°10'00"	trees or shrubs
Terrebonne	096	29°26'59"	91°10'00"	natural levee
Terrebonne	097	29°27'11"	91°10'00"	Fresh Bulltongue
Terrebonne	098	29°27'23"	91°10'00"	Fresh Maidencane
Terrebonne	101	29°27'35"	91°10'00"	Fresh Maidencane
Terrebonne	102	29°27'47"	91°10'00"	Fresh Bulltongue
Terrebonne	103	29°27'59"	91°10'00"	Fresh Bulltongue

### Transect 22 (continued)

<u><b>Basin</b></u>	<u><b>Station</b></u>	<u><b>Latitude</b></u>	<u><b>Longitude</b></u>	<u><b>Vegetation Type</b></u>
Terrebonne	104	29°28'12"	91°10'00"	Fresh Bulltongue
Terrebonne	105	29°28'24"	91°10'00"	Fresh Bulltongue
Terrebonne	106	29°28'36"	91°10'00"	Fresh Bulltongue
Terrebonne	107	29°28'48"	91°10'00"	trees or shrubs
Terrebonne	108	29°29'00"	91°10'00"	Fresh Bulltongue
Terrebonne	111	29°29'12"	91°10'00"	trees or shrubs
Terrebonne	112	29°29'24"	91°10'00"	Fresh Bulltongue
Terrebonne	113	29°29'36"	91°10'00"	trees or shrubs
Terrebonne	114	29°29'48"	91°10'00"	trees or shrubs
Terrebonne	115	29°30'00"	91°10'00"	trees or shrubs
Terrebonne	116	29°30'13"	91°10'00"	trees or shrubs
Terrebonne	117	29°30'25"	91°10'00"	Fresh Bulltongue
Terrebonne	118	29°30'37"	91°10'00"	Fresh Bulltongue
Terrebonne	121	29°30'49"	91°10'00"	Fresh Maidencane
Terrebonne	122	29°31'01"	91°10'00"	Fresh Maidencane
Terrebonne	123	29°31'13"	91°10'00"	Fresh Bulltongue
Terrebonne	124	29°31'25"	91°10'00"	Fresh Maidencane
Terrebonne	125	29°31'37"	91°10'00"	Fresh Maidencane
Terrebonne	126	29°31'49"	91°10'00"	Fresh Bulltongue
Terrebonne	127	29°32'01"	91°10'00"	Fresh Maidencane
Terrebonne	128	29°32'14"	91°10'00"	Fresh Maidencane
Terrebonne	131	29°32'26"	91°10'00"	Fresh Bulltongue
Terrebonne	132	29°32'38"	91°10'00"	Fresh Bulltongue
Terrebonne	133	29°32'50"	91°10'00"	open water
Terrebonne	134	29°33'02"	91°10'00"	spoilbank
Terrebonne	135	29°33'14"	91°10'00"	open water
Terrebonne	136	29°33'26"	91°10'00"	open water
Terrebonne	137	29°33'38"	91°10'00"	open water
Terrebonne	138	29°33'50"	91°10'00"	open water
Terrebonne	141	29°34'02"	91°10'00"	open water
Terrebonne	142	29°34'14"	91°10'00"	open water
Terrebonne	143	29°34'27"	91°10'00"	open water
Terrebonne	144	29°34'39"	91°10'00"	open water
Terrebonne	145	29°34'51"	91°10'00"	open water
Terrebonne	146	29°35'03"	91°10'00"	open water
Terrebonne	147	29°35'15"	91°10'00"	open water
Terrebonne	148	29°35'27"	91°10'00"	open water
Terrebonne	151	29°35'39"	91°10'00"	open water
Terrebonne	152	29°35'51"	91°10'00"	open water
Terrebonne	153	29°36'03"	91°10'00"	open water
Terrebonne	154	29°36'15"	91°10'00"	open water
Terrebonne	155	29°36'28"	91°10'00"	open water
Terrebonne	156	29°36'40"	91°10'00"	open water
Terrebonne	157	29°36'52"	91°10'00"	open water
Terrebonne	158	29°37'04"	91°10'00"	open water
Terrebonne	161	29°37'16"	91°10'00"	Fresh Maidencane
Terrebonne	162	29°37'28"	91°10'00"	Fresh Maidencane
Terrebonne	163	29°37'40"	91°10'00"	trees or shrubs

### Transect 23

<u><b>Basin</b></u>	<u><b>Station</b></u>	<u><b>Latitude</b></u>	<u><b>Longitude</b></u>	<u><b>Vegetation Type</b></u>
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Terrebonne	004	29°10'38"	91°02'30"	Polyhaline Mangrove
Terrebonne	005	29°10'50"	91°02'30"	open water
Terrebonne	006	29°11'02"	91°02'30"	open water
Terrebonne	007	29°11'14"	91°02'30"	open water
Terrebonne	008	29°11'26"	91°02'30"	open water
Terrebonne	011	29°11'38"	91°02'30"	open water
Terrebonne	012	29°11'51"	91°02'30"	Polyhaline Mangrove
Terrebonne	013	29°12'03"	91°02'30"	Polyhaline Mangrove
Terrebonne	014	29°12'15"	91°02'30"	Polyhaline Mangrove
Terrebonne	015	29°12'27"	91°02'30"	Polyhaline Mangrove
Terrebonne	016	29°12'39"	91°02'30"	open water
Terrebonne	017	29°12'51"	91°02'30"	Polyhaline Mangrove
Terrebonne	018	29°13'03"	91°02'30"	Polyhaline Oystergrass
Terrebonne	021	29°13'15"	91°02'30"	open water
Terrebonne	022	29°13'27"	91°02'30"	Polyhaline Oystergrass
Terrebonne	023	29°13'39"	91°02'30"	Polyhaline Oystergrass
Terrebonne	024	29°13'52"	91°02'30"	missing
Terrebonne	025	29°14'04"	91°02'30"	missing
Terrebonne	026	29°14'16"	91°02'30"	missing
Terrebonne	027	29°14'28"	91°02'30"	missing
Terrebonne	028	29°14'40"	91°02'30"	Mesohaline Mix
Terrebonne	031	29°14'52"	91°02'30"	Mesohaline Mix
Terrebonne	032	29°15'04"	91°02'30"	spoilbank
Terrebonne	033	29°15'16"	91°02'30"	open water
Terrebonne	034	29°15'28"	91°02'30"	Mesohaline Wiregrass
Terrebonne	035	29°15'40"	91°02'30"	Mesohaline Wiregrass
Terrebonne	036	29°15'52"	91°02'30"	Mesohaline Mix
Terrebonne	037	29°16'05"	91°02'30"	open water
Terrebonne	038	29°16'17"	91°02'30"	Mesohaline Mix
Terrebonne	041	29°16'29"	91°02'30"	open water
Terrebonne	042	29°16'41"	91°02'30"	open water
Terrebonne	043	29°16'53"	91°02'30"	Mesohaline Wiregrass
Terrebonne	044	29°17'05"	91°02'30"	open water
Terrebonne	045	29°17'17"	91°02'30"	Mesohaline Wiregrass
Terrebonne	046	29°17'29"	91°02'30"	spoilbank
Terrebonne	047	29°17'41"	91°02'30"	spoilbank
Terrebonne	048	29°17'53"	91°02'30"	Mesohaline Wiregrass
Terrebonne	051	29°18'06"	91°02'30"	Mesohaline Wiregrass
Terrebonne	052	29°18'18"	91°02'30"	Oligohaline Wiregrass
Terrebonne	053	29°18'30"	91°02'30"	Oligohaline Wiregrass
Terrebonne	054	29°18'42"	91°02'30"	open water
Terrebonne	055	29°18'54"	91°02'30"	open water
Terrebonne	056	29°19'06"	91°02'30"	open water
Terrebonne	057	29°19'18"	91°02'30"	open water
Terrebonne	058	29°19'30"	91°02'30"	open water
Terrebonne	061	29°19'42"	91°02'30"	open water
Terrebonne	062	29°19'54"	91°02'30"	open water
Terrebonne	063	29°20'07"	91°02'30"	open water
Terrebonne	064	29°20'19"	91°02'30"	open water
Terrebonne	065	29°20'31"	91°02'30"	open water

### Transect 23 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
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Terrebonne	066	29°20'43"	91°02'30"	open water
Terrebonne	067	29°20'55"	91°02'30"	open water
Terrebonne	068	29°21'07"	91°02'30"	open water
Terrebonne	071	29°21'19"	91°02'30"	Oligohaline Wiregrass
Terrebonne	072	29°21'31"	91°02'30"	Oligohaline Wiregrass
Terrebonne	073	29°21'43"	91°02'30"	open water
Terrebonne	074	29°21'55"	91°02'30"	Oligohaline Wiregrass
Terrebonne	075	29°22'07"	91°02'30"	Oligohaline Wiregrass
Terrebonne	076	29°22'20"	91°02'30"	Oligohaline Wiregrass
Terrebonne	077	29°22'32"	91°02'30"	Oligohaline Wiregrass
Terrebonne	078	29°22'44"	91°02'30"	Oligohaline Wiregrass
Terrebonne	081	29°22'56"	91°02'30"	Oligohaline Wiregrass
Terrebonne	082	29°23'08"	91°02'30"	Oligohaline Wiregrass
Terrebonne	083	29°23'20"	91°02'30"	Oligohaline Wiregrass
Terrebonne	084	29°23'32"	91°02'30"	Oligohaline Wiregrass
Terrebonne	085	29°23'44"	91°02'30"	Oligohaline Wiregrass
Terrebonne	086	29°23'56"	91°02'30"	Oligohaline Wiregrass
Terrebonne	087	29°24'08"	91°02'30"	Oligohaline Wiregrass
Terrebonne	088	29°24'21"	91°02'30"	Oligohaline Wiregrass
Terrebonne	091	29°24'33"	91°02'30"	Fresh Bulltongue
Terrebonne	092	29°24'45"	91°02'30"	Fresh Maidencane
Terrebonne	093	29°24'57"	91°02'30"	Fresh Maidencane
Terrebonne	095	29°25'21"	91°02'30"	Fresh Maidencane
Terrebonne	096	29°25'33"	91°02'30"	Fresh Maidencane
Terrebonne	097	29°25'45"	91°02'30"	Fresh Maidencane
Terrebonne	098	29°25'57"	91°02'30"	Fresh Maidencane
Terrebonne	101	29°26'09"	91°02'30"	Fresh Maidencane
Terrebonne	102	29°26'21"	91°02'30"	Fresh Maidencane
Terrebonne	103	29°26'34"	91°02'30"	Oligohaline Wiregrass
Terrebonne	104	29°26'46"	91°02'30"	open water
Terrebonne	105	29°26'58"	91°02'30"	open water
Terrebonne	106	29°27'10"	91°02'30"	Fresh Bulltongue
Terrebonne	107	29°27'22"	91°02'30"	Fresh Bulltongue
Terrebonne	108	29°27'34"	91°02'30"	Fresh Maidencane
Terrebonne	111	29°27'46"	91°02'30"	Fresh Bulltongue
Terrebonne	112	29°27'58"	91°02'30"	Fresh Bulltongue
Terrebonne	113	29°28'10"	91°02'30"	Fresh Maidencane
Terrebonne	114	29°28'22"	91°02'30"	Fresh Maidencane
Terrebonne	115	29°28'35"	91°02'30"	Fresh Maidencane
Terrebonne	116	29°28'47"	91°02'30"	Fresh Maidencane
Terrebonne	117	29°28'59"	91°02'30"	Fresh Maidencane
Terrebonne	118	29°29'11"	91°02'30"	Fresh Maidencane
Terrebonne	121	29°29'23"	91°02'30"	Fresh Maidencane
Terrebonne	122	29°29'35"	91°02'30"	Fresh Maidencane
Terrebonne	123	29°29'47"	91°02'30"	Fresh Maidencane
Terrebonne	124	29°29'59"	91°02'30"	Fresh Maidencane
Terrebonne	125	29°30'11"	91°02'30"	Fresh Maidencane
Terrebonne	126	29°30'23"	91°02'30"	Fresh Maidencane
Terrebonne	127	29°30'36"	91°02'30"	Fresh Maidencane

### Transect 23 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	128	29°30'48"	91°02'30"	Fresh Maidencane
Terrebonne	131	29°31'00"	91°02'30"	Fresh Maidencane
Terrebonne	132	29°31'12"	91°02'30"	Fresh Maidencane

Terrebonne	133	29°31'24"	91°02'30"	Fresh Maidencane
Terrebonne	134	29°31'36"	91°02'30"	open water
Terrebonne	135	29°31'48"	91°02'30"	open water
Terrebonne	136	29°32'00"	91°02'30"	open water
Terrebonne	137	29°32'12"	91°02'30"	Fresh Maidencane
Terrebonne	138	29°32'24"	91°02'30"	open water
Terrebonne	141	29°32'36"	91°02'30"	open water
Terrebonne	142	29°32'49"	91°02'30"	open water
Terrebonne	143	29°33'01"	91°02'30"	Fresh Maidencane
Terrebonne	144	29°33'13"	91°02'30"	open water
Terrebonne	145	29°33'25"	91°02'30"	Fresh Maidencane
Terrebonne	146	29°33'37"	91°02'30"	Fresh Maidencane
Terrebonne	147	29°33'49"	91°02'30"	Fresh Maidencane

### Transect 24

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Terrebonne	005	29°02'27"	90°55'00"	Polyhaline Mangrove
Terrebonne	006	29°02'39"	90°55'00"	open water
Terrebonne	007	29°02'51"	90°55'00"	open water
Terrebonne	008	29°03'03"	90°55'00"	open water
Terrebonne	011	29°03'15"	90°55'00"	open water
Terrebonne	012	29°03'27"	90°55'00"	open water
Terrebonne	013	29°03'40"	90°55'00"	open water
Terrebonne	014	29°03'52"	90°55'00"	open water
Terrebonne	015	29°04'04"	90°55'00"	open water
Terrebonne	016	29°04'16"	90°55'00"	open water
Terrebonne	017	29°04'28"	90°55'00"	open water
Terrebonne	018	29°04'40"	90°55'00"	open water
Terrebonne	021	29°04'52"	90°55'00"	open water
Terrebonne	022	29°05'04"	90°55'00"	open water
Terrebonne	023	29°05'16"	90°55'00"	open water
Terrebonne	024	29°05'28"	90°55'00"	open water
Terrebonne	025	29°05'41"	90°55'00"	open water
Terrebonne	026	29°05'53"	90°55'00"	open water
Terrebonne	027	29°06'05"	90°55'00"	open water
Terrebonne	028	29°06'17"	90°55'00"	open water
Terrebonne	031	29°06'29"	90°55'00"	open water
Terrebonne	032	29°06'41"	90°55'00"	open water
Terrebonne	033	29°06'53"	90°55'00"	open water
Terrebonne	034	29°07'05"	90°55'00"	open water
Terrebonne	035	29°07'17"	90°55'00"	open water
Terrebonne	036	29°07'29"	90°55'00"	open water
Terrebonne	037	29°07'41"	90°55'00"	open water
Terrebonne	038	29°07'54"	90°55'00"	open water

### Transect 24 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Terrebonne	041	29°08'06"	90°55'00"	Polyhaline Oystergrass
Terrebonne	042	29°08'18"	90°55'00"	Polyhaline Oystergrass
Terrebonne	043	29°08'30"	90°55'00"	Polyhaline Oystergrass
Terrebonne	044	29°08'42"	90°55'00"	Polyhaline Oystergrass

Terrebonne	045	29°08'54"	90°55'00"	Polyhaline Oystergrass
Terrebonne	046	29°09'06"	90°55'00"	Polyhaline Mangrove
Terrebonne	047	29°09'18"	90°55'00"	Polyhaline Oystergrass
Terrebonne	048	29°09'30"	90°55'00"	Polyhaline Oystergrass
Terrebonne	051	29°09'42"	90°55'00"	Polyhaline Oystergrass
Terrebonne	052	29°09'55"	90°55'00"	open water
Terrebonne	053	29°10'07"	90°55'00"	open water
Terrebonne	054	29°10'19"	90°55'00"	Polyhaline Oystergrass
Terrebonne	055	29°10'31"	90°55'00"	Polyhaline Mangrove
Terrebonne	056	29°10'43"	90°55'00"	open water
Terrebonne	057	29°10'55"	90°55'00"	Polyhaline Oystergrass
Terrebonne	058	29°11'07"	90°55'00"	Polyhaline Mangrove
Terrebonne	061	29°11'19"	90°55'00"	open water
Terrebonne	062	29°11'31"	90°55'00"	open water
Terrebonne	063	29°11'43"	90°55'00"	Polyhaline Oystergrass
Terrebonne	064	29°11'56"	90°55'00"	open water
Terrebonne	065	29°12'08"	90°55'00"	Polyhaline Oystergrass
Terrebonne	066	29°12'20"	90°55'00"	open water
Terrebonne	067	29°12'32"	90°55'00"	open water
Terrebonne	068	29°12'44"	90°55'00"	open water
Terrebonne	071	29°12'56"	90°55'00"	open water
Terrebonne	072	29°13'08"	90°55'00"	open water
Terrebonne	073	29°13'20"	90°55'00"	open water
Terrebonne	074	29°13'32"	90°55'00"	open water
Terrebonne	075	29°13'44"	90°55'00"	open water
Terrebonne	076	29°13'56"	90°55'00"	open water
Terrebonne	077	29°14'09"	90°55'00"	open water
Terrebonne	078	29°14'21"	90°55'00"	open water
Terrebonne	081	29°14'33"	90°55'00"	open water
Terrebonne	082	29°14'45"	90°55'00"	Polyhaline Oystergrass
Terrebonne	083	29°14'57"	90°55'00"	Polyhaline Oystergrass
Terrebonne	084	29°15'09"	90°55'00"	Polyhaline Oystergrass
Terrebonne	085	29°15'21"	90°55'00"	Polyhaline Oystergrass
Terrebonne	086	29°15'33"	90°55'00"	open water
Terrebonne	087	29°15'45"	90°55'00"	open water
Terrebonne	088	29°15'57"	90°55'00"	open water
Terrebonne	091	29°16'10"	90°55'00"	Polyhaline Oystergrass
Terrebonne	092	29°16'22"	90°55'00"	Polyhaline Oystergrass
Terrebonne	093	29°16'34"	90°55'00"	Polyhaline Oystergrass
Terrebonne	094	29°16'46"	90°55'00"	open water
Terrebonne	095	29°16'58"	90°55'00"	Polyhaline Oystergrass
Terrebonne	096	29°17'10"	90°55'00"	Polyhaline Oystergrass
Terrebonne	097	29°17'22"	90°55'00"	Polyhaline Oystergrass
Terrebonne	098	29°17'34"	90°55'00"	Mesohaline Mix
Terrebonne	101	29°17'46"	90°55'00"	Polyhaline Oystergrass
Terrebonne	102	29°17'58"	90°55'00"	Polyhaline Oystergrass

#### Transect 24 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	103	29°18'10"	90°55'00"	Polyhaline Oystergrass
Terrebonne	104	29°18'23"	90°55'00"	Mesohaline Wiregrass
Terrebonne	105	29°18'35"	90°55'00"	Polyhaline Oystergrass
Terrebonne	106	29°18'47"	90°55'00"	Mesohaline Mix
Terrebonne	107	29°18'59"	90°55'00"	open water
Terrebonne	108	29°19'11"	90°55'00"	open water

Terrebonne	111	29°19'23"	90°55'00"	open water
Terrebonne	112	29°19'35"	90°55'00"	Oligohaline Wiregrass
Terrebonne	113	29°19'47"	90°55'00"	open water
Terrebonne	114	29°19'59"	90°55'00"	open water
Terrebonne	115	29°20'11"	90°55'00"	Oligohaline Wiregrass
Terrebonne	116	29°20'24"	90°55'00"	open water
Terrebonne	117	29°20'36"	90°55'00"	spoilbank
Terrebonne	118	29°20'48"	90°55'00"	open water
Terrebonne	121	29°21'00"	90°55'00"	Oligohaline Wiregrass
Terrebonne	122	29°21'12"	90°55'00"	Oligohaline Mix
Terrebonne	123	29°21'24"	90°55'00"	Oligohaline Wiregrass
Terrebonne	124	29°21'36"	90°55'00"	natural levee
Terrebonne	125	29°21'48"	90°55'00"	Oligohaline Wiregrass
Terrebonne	126	29°22'00"	90°55'00"	Oligohaline Mix
Terrebonne	127	29°22'12"	90°55'00"	Oligohaline Mix
Terrebonne	128	29°22'25"	90°55'00"	natural levee
Terrebonne	131	29°22'37"	90°55'00"	Oligohaline Mix
Terrebonne	132	29°22'49"	90°55'00"	trees or shrubs
Terrebonne	133	29°23'01"	90°55'00"	Fresh Maidencane
Terrebonne	134	29°23'13"	90°55'00"	open water
Terrebonne	135	29°23'25"	90°55'00"	open water
Terrebonne	136	29°23'37"	90°55'00"	Fresh Maidencane
Terrebonne	137	29°23'49"	90°55'00"	Fresh Bulltongue
Terrebonne	138	29°24'01"	90°55'00"	open water
Terrebonne	141	29°24'13"	90°55'00"	open water
Terrebonne	142	29°24'25"	90°55'00"	open water
Terrebonne	143	29°24'38"	90°55'00"	open water
Terrebonne	144	29°24'50"	90°55'00"	open water
Terrebonne	145	29°25'02"	90°55'00"	Fresh Bulltongue
Terrebonne	146	29°25'14"	90°55'00"	Fresh Maidencane
Terrebonne	147	29°25'26"	90°55'00"	Fresh Maidencane
Terrebonne	148	29°25'38"	90°55'00"	Fresh Maidencane
Terrebonne	151	29°25'50"	90°55'00"	Fresh Maidencane
Terrebonne	152	29°26'02"	90°55'00"	Fresh Maidencane
Terrebonne	153	29°26'14"	90°55'00"	Fresh Maidencane
Terrebonne	154	29°26'26"	90°55'00"	Fresh Maidencane
Terrebonne	155	29°26'39"	90°55'00"	Fresh Maidencane
Terrebonne	156	29°26'51"	90°55'00"	Fresh Maidencane
Terrebonne	157	29°27'03"	90°55'00"	Fresh Maidencane
Terrebonne	158	29°27'15"	90°55'00"	Fresh Maidencane
Terrebonne	161	29°27'27"	90°55'00"	Fresh Maidencane
Terrebonne	162	29°27'39"	90°55'00"	Fresh Maidencane
Terrebonne	163	29°27'51"	90°55'00"	Fresh Maidencane
Terrebonne	164	29°28'03"	90°55'00"	Fresh Maidencane

### Transect 24 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	165	29°28'15"	90°55'00"	Fresh Maidencane
Terrebonne	166	29°28'27"	90°55'00"	Fresh Maidencane
Terrebonne	167	29°28'39"	90°55'00"	Fresh Maidencane
Terrebonne	168	29°28'52"	90°55'00"	Fresh Maidencane
Terrebonne	171	29°29'04"	90°55'00"	open water
Terrebonne	172	29°29'16"	90°55'00"	Fresh Bulltongue
Terrebonne	173	29°29'28"	90°55'00"	Fresh Maidencane
Terrebonne	174	29°29'40"	90°55'00"	Fresh Maidencane

Terrebonne	175	29°29'52"	90°55'00"	Fresh Maidencane
Terrebonne	176	29°30'04"	90°55'00"	Fresh Maidencane
Terrebonne	177	29°30'16"	90°55'00"	Fresh Maidencane
Terrebonne	178	29°30'28"	90°55'00"	Fresh Maidencane
Terrebonne	181	29°30'40"	90°55'00"	Fresh Maidencane
Terrebonne	182	29°30'53"	90°55'00"	open water
Terrebonne	183	29°31'05"	90°55'00"	spoilbank
Terrebonne	184	29°31'17"	90°55'00"	Fresh Maidencane
Terrebonne	185	29°31'29"	90°55'00"	Fresh Maidencane
Terrebonne	186	29°31'41"	90°55'00"	Fresh Maidencane
Terrebonne	187	29°31'53"	90°55'00"	Fresh Maidencane
Terrebonne	188	29°32'05"	90°55'00"	Fresh Maidencane
Terrebonne	191	29°32'17"	90°55'00"	Fresh Bulltongue
Terrebonne	192	29°32'29"	90°55'00"	Fresh Maidencane
Terrebonne	193	29°32'41"	90°55'00"	Fresh Maidencane
Terrebonne	194	29°32'53"	90°55'00"	Open Water
Terrebonne	195	29°33'06"	90°55'00"	Forested

### Transect 25

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	004	29°02'15"	90°47'30"	Polyhaline Oystergrass
Terrebonne	005	29°02'27"	90°47'30"	Polyhaline Mangrove
Terrebonne	006	29°02'39"	90°47'30"	open water
Terrebonne	007	29°02'51"	90°47'30"	open water
Terrebonne	008	29°03'03"	90°47'30"	open water
Terrebonne	011	29°03'15"	90°47'30"	open water
Terrebonne	012	29°03'28"	90°47'30"	open water
Terrebonne	013	29°03'40"	90°47'30"	open water
Terrebonne	014	29°03'52"	90°47'30"	open water
Terrebonne	015	29°04'04"	90°47'30"	open water
Terrebonne	016	29°04'16"	90°47'30"	open water
Terrebonne	017	29°04'28"	90°47'30"	open water
Terrebonne	018	29°04'40"	90°47'30"	open water
Terrebonne	021	29°04'52"	90°47'30"	open water
Terrebonne	022	29°05'04"	90°47'30"	Polyhaline Mangrove
Terrebonne	023	29°05'16"	90°47'30"	Polyhaline Mangrove
Terrebonne	024	29°05'29"	90°47'30"	Polyhaline Mangrove
Terrebonne	025	29°05'41"	90°47'30"	Polyhaline Mangrove

### Transect 25 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	026	29°05'53"	90°47'30"	Polyhaline Mangrove
Terrebonne	027	29°06'05"	90°47'30"	open water
Terrebonne	028	29°06'17"	90°47'30"	open water
Terrebonne	031	29°06'29"	90°47'30"	open water
Terrebonne	032	29°06'41"	90°47'30"	open water
Terrebonne	033	29°06'53"	90°47'30"	Polyhaline Mangrove
Terrebonne	034	29°07'05"	90°47'30"	Polyhaline Mangrove
Terrebonne	035	29°07'17"	90°47'30"	open water
Terrebonne	036	29°07'29"	90°47'30"	Polyhaline Oystergrass

Terrebonne	037	29°07'42"	90°47'30"	Polyhaline Oystergrass
Terrebonne	038	29°07'54"	90°47'30"	Polyhaline Oystergrass
Terrebonne	041	29°08'06"	90°47'30"	open water
Terrebonne	042	29°08'18"	90°47'30"	Polyhaline Oystergrass
Terrebonne	043	29°08'30"	90°47'30"	Polyhaline Oystergrass
Terrebonne	044	29°08'42"	90°47'30"	open water
Terrebonne	045	29°08'54"	90°47'30"	Polyhaline Oystergrass
Terrebonne	046	29°09'06"	90°47'30"	open water
Terrebonne	047	29°09'18"	90°47'30"	open water
Terrebonne	048	29°09'30"	90°47'30"	open water
Terrebonne	051	29°09'43"	90°47'30"	open water
Terrebonne	052	29°09'55"	90°47'30"	open water
Terrebonne	053	29°10'07"	90°47'30"	open water
Terrebonne	054	29°10'19"	90°47'30"	Polyhaline Oystergrass
Terrebonne	055	29°10'31"	90°47'30"	Polyhaline Oystergrass
Terrebonne	056	29°10'43"	90°47'30"	Polyhaline Oystergrass
Terrebonne	057	29°10'55"	90°47'30"	Polyhaline Oystergrass
Terrebonne	058	29°11'07"	90°47'30"	Polyhaline Oystergrass
Terrebonne	061	29°11'19"	90°47'30"	Polyhaline Mangrove
Terrebonne	062	29°11'31"	90°47'30"	Polyhaline Oystergrass
Terrebonne	063	29°11'44"	90°47'30"	Polyhaline Oystergrass
Terrebonne	064	29°11'56"	90°47'30"	open water
Terrebonne	065	29°12'08"	90°47'30"	Mesohaline Mix
Terrebonne	066	29°12'20"	90°47'30"	Polyhaline Oystergrass
Terrebonne	067	29°12'32"	90°47'30"	Polyhaline Oystergrass
Terrebonne	068	29°12'44"	90°47'30"	Polyhaline Oystergrass
Terrebonne	071	29°12'56"	90°47'30"	Polyhaline Oystergrass
Terrebonne	072	29°13'08"	90°47'30"	Polyhaline Oystergrass
Terrebonne	073	29°13'20"	90°47'30"	Polyhaline Oystergrass
Terrebonne	074	29°13'32"	90°47'30"	Mesohaline Mix
Terrebonne	075	29°13'44"	90°47'30"	Mesohaline Mix
Terrebonne	076	29°13'57"	90°47'30"	spoilbank
Terrebonne	077	29°14'09"	90°47'30"	Mesohaline Wiregrass
Terrebonne	078	29°14'21"	90°47'30"	Oligohaline Wiregrass
Terrebonne	081	29°14'33"	90°47'30"	open water
Terrebonne	082	29°14'45"	90°47'30"	open water
Terrebonne	083	29°14'57"	90°47'30"	Mesohaline Wiregrass

### Transect 25 (continued)

<b>Basin</b>	<b>Station</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Vegetation Type</b>
Terrebonne	084	29°15'09"	90°47'30"	Mesohaline Wiregrass
Terrebonne	085	29°15'21"	90°47'30"	Mesohaline Wiregrass
Terrebonne	086	29°15'33"	90°47'30"	Mesohaline Wiregrass
Terrebonne	087	29°15'45"	90°47'30"	Mesohaline Wiregrass
Terrebonne	088	29°15'58"	90°47'30"	Mesohaline Wiregrass
Terrebonne	091	29°16'10"	90°47'30"	Mesohaline Wiregrass
Terrebonne	092	29°16'22"	90°47'30"	Mesohaline Mix
Terrebonne	093	29°16'34"	90°47'30"	Mesohaline Wiregrass
Terrebonne	094	29°16'46"	90°47'30"	Mesohaline Wiregrass
Terrebonne	095	29°16'58"	90°47'30"	Mesohaline Wiregrass

Terrebonne	096	29°17'10"	90°47'30"	Oligohaline Wiregrass
Terrebonne	097	29°17'22"	90°47'30"	Mesohaline Wiregrass
Terrebonne	098	29°17'34"	90°47'30"	Oligohaline Wiregrass
Terrebonne	101	29°17'46"	90°47'30"	Oligohaline Wiregrass
Terrebonne	102	29°17'58"	90°47'30"	Oligohaline Wiregrass
Terrebonne	103	29°18'11"	90°47'30"	Oligohaline Wiregrass
Terrebonne	104	29°18'23"	90°47'30"	Mesohaline Wiregrass
Terrebonne	105	29°18'35"	90°47'30"	Oligohaline Wiregrass
Terrebonne	106	29°18'47"	90°47'30"	Oligohaline Wiregrass
Terrebonne	107	29°18'59"	90°47'30"	Oligohaline Wiregrass
Terrebonne	108	29°19'11"	90°47'30"	Oligohaline Wiregrass
Terrebonne	111	29°19'23"	90°47'30"	Oligohaline Mix
Terrebonne	112	29°19'35"	90°47'30"	Oligohaline Wiregrass
Terrebonne	113	29°19'47"	90°47'30"	Oligohaline Wiregrass
Terrebonne	114	29°19'59"	90°47'30"	Fresh Bulltongue
Terrebonne	115	29°20'12"	90°47'30"	Oligohaline Wiregrass
Terrebonne	116	29°20'24"	90°47'30"	Oligohaline Mix
Terrebonne	117	29°20'36"	90°47'30"	Oligohaline Mix
Terrebonne	118	29°20'48"	90°47'30"	Oligohaline Mix
Terrebonne	121	29°21'00"	90°47'30"	Fresh Maidencane
Terrebonne	122	29°21'12"	90°47'30"	Oligohaline Mix
Terrebonne	123	29°21'24"	90°47'30"	spoilbank
Terrebonne	124	29°21'36"	90°47'30"	open water
Terrebonne	125	29°21'48"	90°47'30"	Oligohaline Mix
Terrebonne	126	29°22'00"	90°47'30"	developed
Terrebonne	127	29°22'13"	90°47'30"	developed
Terrebonne	128	29°22'25"	90°47'30"	developed
Terrebonne	131	29°22'37"	90°47'30"	developed
Terrebonne	132	29°22'49"	90°47'30"	Fresh Maidencane
Terrebonne	133	29°23'01"	90°47'30"	spoilbank
Terrebonne	134	29°23'13"	90°47'30"	Oligohaline Mix
Terrebonne	135	29°23'25"	90°47'30"	Oligohaline Mix
Terrebonne	136	29°23'37"	90°47'30"	Fresh Maidencane
Terrebonne	137	29°23'49"	90°47'30"	Fresh Maidencane
Terrebonne	138	29°24'01"	90°47'30"	Fresh Maidencane
Terrebonne	141	29°24'13"	90°47'30"	Fresh Maidencane

### Transect 25 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	142	29°24'26"	90°47'30"	Fresh Bulltongue
Terrebonne	143	29°24'38"	90°47'30"	Fresh Bulltongue
Terrebonne	144	29°24'50"	90°47'30"	Fresh Maidencane
Terrebonne	145	29°25'02"	90°47'30"	Fresh Maidencane
Terrebonne	146	29°25'14"	90°47'30"	developed
Terrebonne	147	29°25'26"	90°47'30"	developed
Terrebonne	148	29°25'38"	90°47'30"	developed
Terrebonne	151	29°25'50"	90°47'30"	developed
Terrebonne	152	29°26'02"	90°47'30"	Fresh Bulltongue
Terrebonne	153	29°26'14"	90°47'30"	Fresh Bulltongue
Terrebonne	154	29°26'27"	90°47'30"	Fresh Maidencane

Terrebonne	155	29°26'39"	90°47'30"	Fresh Maidencane
Terrebonne	156	29°26'51"	90°47'30"	Fresh Maidencane
Terrebonne	157	29°27'03"	90°47'30"	Fresh Maidencane
Terrebonne	158	29°27'15"	90°47'30"	Fresh Maidencane
Terrebonne	161	29°27'27"	90°47'30"	Fresh Maidencane
Terrebonne	162	29°27'39"	90°47'30"	Fresh Maidencane
Terrebonne	163	29°27'51"	90°47'30"	Fresh Maidencane
Terrebonne	164	29°28'03"	90°47'30"	Fresh Maidencane
Terrebonne	165	29°28'15"	90°47'30"	Fresh Bulltongue
Terrebonne	166	29°28'27"	90°47'30"	Fresh Maidencane
Terrebonne	167	29°28'40"	90°47'30"	Fresh Maidencane
Terrebonne	168	29°28'52"	90°47'30"	Fresh Bulltongue
Terrebonne	171	29°29'04"	90°47'30"	Fresh Bulltongue
Terrebonne	172	29°29'16"	90°47'30"	Fresh Bulltongue
Terrebonne	173	29°29'28"	90°47'30"	spoilbank
Terrebonne	174	29°29'40"	90°47'30"	open water
Terrebonne	175	29°29'52"	90°47'30"	Fresh Maidencane
Terrebonne	176	29°30'04"	90°47'30"	Fresh Bulltongue
Terrebonne	177	29°30'16"	90°47'30"	Fresh Bulltongue
Terrebonne	178	29°30'28"	90°47'30"	developed
Terrebonne	181	29°30'41"	90°47'30"	developed
Terrebonne	182	29°30'53"	90°47'30"	developed
Terrebonne	183	29°31'05"	90°47'30"	developed
Terrebonne	184	29°31'17"	90°47'30"	developed
Terrebonne	185	29°31'29"	90°47'30"	developed
Terrebonne	186	29°31'41"	90°47'30"	developed
Terrebonne	187	29°31'53"	90°47'30"	developed
Terrebonne	187	29°32'05"	90°47'30"	developed
Terrebonne	188	29°32'17"	90°47'30"	developed
Terrebonne	191	29°32'29"	90°47'30"	developed
Terrebonne	192	29°32'41"	90°47'30"	developed
Terrebonne	193	29°32'54"	90°47'30"	developed
Terrebonne	194	29°33'06"	90°47'30"	developed
Terrebonne	195	29°33'18"	90°47'30"	developed
Terrebonne	196	29°33'30"	90°47'30"	developed

### Transect 25 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Terrebonne	197	29°33'42"	90°47'30"	developed
Terrebonne	198	29°33'54"	90°47'30"	developed
Terrebonne	201	29°34'06"	90°47'30"	developed
Terrebonne	202	29°34'18"	90°47'30"	developed
Terrebonne	203	29°34'30"	90°47'30"	developed
Terrebonne	204	29°34'42"	90°47'30"	developed
Terrebonne	205	29°34'55"	90°47'30"	de-watered marsh
Terrebonne	206	29°35'07"	90°47'30"	Fresh Maidencane
Terrebonne	207	29°35'19"	90°47'30"	Fresh Maidencane
Terrebonne	208	29°35'31"	90°47'30"	Fresh Maidencane

## Transect 26

<u><b>Basin</b></u>	<u><b>Station</b></u>	<u><b>Latitude</b></u>	<u><b>Longitude</b></u>	<u><b>Vegetation Type</b></u>
Terrebonne	008	29°02'39"	90°40'00"	beach
Terrebonne	011	29°02'51"	90°40'00"	Polyhaline Mangrove
Terrebonne	012	29°03'03"	90°40'00"	Polyhaline Mangrove
Terrebonne	013	29°03'15"	90°40'00"	open water
Terrebonne	014	29°03'27"	90°40'00"	open water
Terrebonne	015	29°03'39"	90°40'00"	open water
Terrebonne	016	29°03'52"	90°40'00"	open water
Terrebonne	017	29°04'04"	90°40'00"	open water
Terrebonne	018	29°04'16"	90°40'00"	open water
Terrebonne	021	29°04'28"	90°40'00"	open water
Terrebonne	022	29°04'40"	90°40'00"	open water
Terrebonne	023	29°04'52"	90°40'00"	open water
Terrebonne	024	29°05'04"	90°40'00"	open water
Terrebonne	025	29°05'16"	90°40'00"	open water
Terrebonne	026	29°05'28"	90°40'00"	open water
Terrebonne	027	29°05'40"	90°40'00"	open water
Terrebonne	028	29°05'53"	90°40'00"	open water
Terrebonne	031	29°06'05"	90°40'00"	open water
Terrebonne	032	29°06'17"	90°40'00"	open water
Terrebonne	033	29°06'29"	90°40'00"	open water
Terrebonne	034	29°06'41"	90°40'00"	Polyhaline Mangrove
Terrebonne	035	29°06'53"	90°40'00"	Polyhaline Mangrove
Terrebonne	036	29°07'05"	90°40'00"	open water
Terrebonne	037	29°07'17"	90°40'00"	open water
Terrebonne	038	29°07'29"	90°40'00"	open water
Terrebonne	041	29°07'41"	90°40'00"	open water
Terrebonne	042	29°07'53"	90°40'00"	open water
Terrebonne	043	29°08'06"	90°40'00"	Polyhaline Mangrove
Terrebonne	044	29°08'18"	90°40'00"	Polyhaline Mangrove
Terrebonne	045	29°08'30"	90°40'00"	open water
Terrebonne	046	29°08'42"	90°40'00"	Polyhaline Mangrove
Terrebonne	047	29°08'54"	90°40'00"	spoilbank
Terrebonne	048	29°09'06"	90°40'00"	natural levee
Terrebonne	051	29°09'18"	90°40'00"	Polyhaline Oystergrass

## Transect 26 (continued)

<u><b>Basin</b></u>	<u><b>Station</b></u>	<u><b>Latitude</b></u>	<u><b>Longitude</b></u>	<u><b>Vegetation Type</b></u>
Terrebonne	052	29°09'30"	90°40'00"	Polyhaline Oystergrass
Terrebonne	053	29°09'42"	90°40'00"	Polyhaline Mangrove
Terrebonne	054	29°09'54"	90°40'00"	open water
Terrebonne	055	29°10'07"	90°40'00"	natural levee
Terrebonne	056	29°10'19"	90°40'00"	open water
Terrebonne	057	29°10'31"	90°40'00"	open water
Terrebonne	058	29°10'43"	90°40'00"	open water
Terrebonne	061	29°10'55"	90°40'00"	spoilbank
Terrebonne	062	29°11'07"	90°40'00"	Polyhaline Oystergrass
Terrebonne	063	29°11'19"	90°40'00"	Polyhaline Oystergrass
Terrebonne	064	29°11'31"	90°40'00"	Polyhaline Oystergrass
Terrebonne	065	29°11'43"	90°40'00"	Polyhaline Oystergrass
Terrebonne	066	29°11'55"	90°40'00"	open water

Terrebonne	067	29°12'08"	90°40'00"	open water
Terrebonne	068	29°12'20"	90°40'00"	open water
Terrebonne	071	29°12'32"	90°40'00"	open water
Terrebonne	072	29°12'44"	90°40'00"	open water
Terrebonne	073	29°12'56"	90°40'00"	Polyhaline Oystergrass
Terrebonne	074	29°13'08"	90°40'00"	Polyhaline Oystergrass
Terrebonne	075	29°13'20"	90°40'00"	Polyhaline Oystergrass
Terrebonne	076	29°13'32"	90°40'00"	Polyhaline Oystergrass
Terrebonne	077	29°13'44"	90°40'00"	Polyhaline Oystergrass
Terrebonne	078	29°13'56"	90°40'00"	Polyhaline Oystergrass
Terrebonne	081	29°14'08"	90°40'00"	Polyhaline Oystergrass
Terrebonne	082	29°14'21"	90°40'00"	Mesohaline Mix
Terrebonne	083	29°14'33"	90°40'00"	Mesohaline Wiregrass
Terrebonne	084	29°14'45"	90°40'00"	Mesohaline Mix
Terrebonne	085	29°14'57"	90°40'00"	Mesohaline Mix
Terrebonne	086	29°15'09"	90°40'00"	open water
Terrebonne	087	29°15'21"	90°40'00"	Mesohaline Mix
Terrebonne	088	29°15'33"	90°40'00"	open water
Terrebonne	091	29°15'45"	90°40'00"	Mesohaline Wiregrass
Terrebonne	092	29°15'57"	90°40'00"	natural levee
Terrebonne	093	29°16'09"	90°40'00"	natural levee
Terrebonne	094	29°16'22"	90°40'00"	open water
Terrebonne	095	29°16'34"	90°40'00"	open water
Terrebonne	096	29°16'46"	90°40'00"	Mesohaline Wiregrass
Terrebonne	097	29°16'58"	90°40'00"	open water
Terrebonne	098	29°17'10"	90°40'00"	open water
Terrebonne	101	29°17'22"	90°40'00"	natural levee
Terrebonne	102	29°17'34"	90°40'00"	open water
Terrebonne	103	29°17'46"	90°40'00"	open water
Terrebonne	104	29°17'58"	90°40'00"	open water
Terrebonne	105	29°18'10"	90°40'00"	open water
Terrebonne	106	29°18'22"	90°40'00"	open water
Terrebonne	107	29°18'35"	90°40'00"	open water
Terrebonne	108	29°18'47"	90°40'00"	open water
Terrebonne	111	29°18'59"	90°40'00"	open water
Terrebonne	112	29°19'11"	90°40'00"	open water
Terrebonne	113	29°19'23"	90°40'00"	open water

### Transect 26 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	114	29°19'35"	90°40'00"	open water
Terrebonne	115	29°19'47"	90°40'00"	open water
Terrebonne	116	29°19'59"	90°40'00"	open water
Terrebonne	117	29°20'11"	90°40'00"	open water
Terrebonne	118	29°20'23"	90°40'00"	spoilbank
Terrebonne	121	29°20'36"	90°40'00"	open water
Terrebonne	122	29°20'48"	90°40'00"	open water
Terrebonne	123	29°21'00"	90°40'00"	open water
Terrebonne	124	29°21'12"	90°40'00"	open water
Terrebonne	125	29°21'24"	90°40'00"	open water
Terrebonne	126	29°21'36"	90°40'00"	open water
Terrebonne	127	29°21'48"	90°40'00"	open water
Terrebonne	128	29°22'00"	90°40'00"	open water

Terrebonne	131	29°22'12"	90°40'00"	open water
Terrebonne	132	29°22'24"	90°40'00"	open water
Terrebonne	133	29°22'37"	90°40'00"	open water
Terrebonne	134	29°22'49"	90°40'00"	open water
Terrebonne	135	29°23'01"	90°40'00"	open water
Terrebonne	136	29°23'13"	90°40'00"	open water
Terrebonne	137	29°23'25"	90°40'00"	open water
Terrebonne	138	29°23'37"	90°40'00"	open water
Terrebonne	141	29°23'49"	90°40'00"	Oligohaline Wiregrass
Terrebonne	142	29°24'01"	90°40'00"	Oligohaline Wiregrass
Terrebonne	143	29°24'13"	90°40'00"	Oligohaline Wiregrass
Terrebonne	144	29°24'25"	90°40'00"	Oligohaline Wiregrass
Terrebonne	145	29°24'37"	90°40'00"	Oligohaline Wiregrass
Terrebonne	146	29°24'50"	90°40'00"	Oligohaline Wiregrass
Terrebonne	147	29°25'02"	90°40'00"	Fresh Bulltongue
Terrebonne	148	29°25'14"	90°40'00"	Fresh Bulltongue
Terrebonne	151	29°25'26"	90°40'00"	Fresh Bulltongue
Terrebonne	152	29°25'38"	90°40'00"	Fresh Bulltongue
Terrebonne	153	29°25'50"	90°40'00"	open water
Terrebonne	154	29°26'02"	90°40'00"	Fresh Bulltongue
Terrebonne	155	29°26'14"	90°40'00"	Fresh Maidencane
Terrebonne	156	29°26'26"	90°40'00"	Fresh Maidencane
Terrebonne	157	29°26'38"	90°40'00"	developed
Terrebonne	158	29°26'51"	90°40'00"	developed
Terrebonne	161	29°27'03"	90°40'00"	developed
Terrebonne	162	29°27'15"	90°40'00"	developed
Terrebonne	163	29°27'27"	90°40'00"	developed
Terrebonne	164	29°27'39"	90°40'00"	developed
Terrebonne	165	29°27'51"	90°40'00"	developed
Terrebonne	166	29°28'03"	90°40'00"	developed
Terrebonne	167	29°28'15"	90°40'00"	developed
Terrebonne	168	29°28'27"	90°40'00"	developed
Terrebonne	171	29°28'39"	90°40'00"	developed
Terrebonne	172	29°28'51"	90°40'00"	developed
Terrebonne	173	29°29'04"	90°40'00"	developed
Terrebonne	174	29°29'16"	90°40'00"	developed
Terrebonne	175	29°29'28"	90°40'00"	developed

### Transect 26 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	176	29°29'40"	90°40'00"	developed
Terrebonne	177	29°29'52"	90°40'00"	developed
Terrebonne	178	29°30'04"	90°40'00"	developed
Terrebonne	181	29°30'16"	90°40'00"	developed
Terrebonne	182	29°30'28"	90°40'00"	developed
Terrebonne	183	29°30'40"	90°40'00"	developed
Terrebonne	184	29°30'52"	90°40'00"	developed
Terrebonne	185	29°31'05"	90°40'00"	developed
Terrebonne	186	29°31'17"	90°40'00"	developed
Terrebonne	187	29°31'29"	90°40'00"	developed
Terrebonne	188	29°31'41"	90°40'00"	developed
Terrebonne	191	29°31'53"	90°40'00"	developed
Terrebonne	192	29°32'05"	90°40'00"	developed
Terrebonne	193	29°32'17"	90°40'00"	developed
Terrebonne	194	29°32'29"	90°40'00"	developed

Terrebonne	195	29°32'41"	90°40'00"	developed
Terrebonne	196	29°32'53"	90°40'00"	developed
Terrebonne	197	29°33'05"	90°40'00"	developed
Terrebonne	198	29°33'18"	90°40'00"	developed
Terrebonne	201	29°33'30"	90°40'00"	developed
Terrebonne	202	29°33'42"	90°40'00"	developed
Terrebonne	203	29°33'54"	90°40'00"	developed
Terrebonne	204	29°34'06"	90°40'00"	developed
Terrebonne	205	29°34'18"	90°40'00"	developed
Terrebonne	206	29°34'30"	90°40'00"	developed
Terrebonne	207	29°34'42"	90°40'00"	developed
Terrebonne	208	29°34'54"	90°40'00"	developed
Terrebonne	211	29°35'06"	90°40'00"	developed
Terrebonne	212	29°35'19"	90°40'00"	developed
Terrebonne	213	29°35'31"	90°40'00"	Fresh Maidencane
Terrebonne	214	29°35'43"	90°40'00"	developed
Terrebonne	215	29°35'55"	90°40'00"	developed
Terrebonne	216	29°36'07"	90°40'00"	developed
Terrebonne	217	29°36'19"	90°40'00"	developed
Terrebonne	218	29°36'31"	90°40'00"	developed
Terrebonne	221	29°36'43"	90°40'00"	de-watered marsh
Terrebonne	222	29°36'55"	90°40'00"	de-watered marsh
Terrebonne	223	29°37'07"	90°40'00"	de-watered marsh
Terrebonne	224	29°37'20"	90°40'00"	de-watered marsh
Terrebonne	225	29°37'32"	90°40'00"	de-watered marsh
Terrebonne	226	29°37'44"	90°40'00"	de-watered marsh
Terrebonne	227	29°37'56"	90°40'00"	developed
Terrebonne	228	29°38'08"	90°40'00"	developed
Terrebonne	231	29°38'20"	90°40'00"	developed
Terrebonne	232	29°38'32"	90°40'00"	developed
Terrebonne	233	29°38'44"	90°40'00"	de-watered marsh
Terrebonne	234	29°38'56"	90°40'00"	Fresh Cutgrass
Terrebonne	235	29°39'08"	90°40'00"	developed
Terrebonne	236	29°39'20"	90°40'00"	developed
Terrebonne	237	29°39'32"	90°40'00"	developed

### Transect 26 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Terrebonne	238	29°39'44"	90°40'00"	developed
Terrebonne	241	29°39'56"	90°40'00"	developed
Terrebonne	242	29°40'08"	90°40'00"	developed
Barataria	243	29°40'21"	90°40'00"	developed
Barataria	244	29°40'33"	90°40'00"	developed
Barataria	245	29°40'45"	90°40'00"	developed
Barataria	246	29°40'57"	90°40'00"	developed
Barataria	247	29°41'09"	90°40'00"	developed
Barataria	248	29°41'21"	90°40'00"	developed
Barataria	251	29°41'33"	90°40'00"	Fresh Cutgrass
Barataria	252	29°41'45"	90°40'00"	Fresh Cutgrass
Barataria	253	29°41'57"	90°40'00"	trees or shrubs
Barataria	254	29°42'09"	90°40'00"	trees or shrubs
Barataria	255	29°42'22"	90°40'00"	trees or shrubs
Barataria	256	29°42'34"	90°40'00"	trees or shrubs
Barataria	257	29°42'46"	90°40'00"	trees or shrubs
Barataria	258	29°42'58"	90°40'00"	trees or shrubs

Barataria	261	29°43'10"	90°40'00"	Fresh Bulltongue
Barataria	262	29°43'22"	90°40'00"	Fresh Maidencane
Barataria	263	29°43'34"	90°40'00"	Fresh Maidencane
Barataria	264	29°43'46"	90°40'00"	Fresh Maidencane
Barataria	265	29°43'58"	90°40'00"	Fresh Maidencane

### Transect 27

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	005	29°12'28"	90°32'30"	open water
Terrebonne	006	29°12'40"	90°32'30"	open water
Terrebonne	007	29°12'52"	90°32'30"	open water
Terrebonne	008	29°13'04"	90°32'30"	open water
Terrebonne	011	29°13'16"	90°32'30"	open water
Terrebonne	012	29°13'28"	90°32'30"	open water
Terrebonne	013	29°13'41"	90°32'30"	open water
Terrebonne	014	29°13'53"	90°32'30"	open water
Terrebonne	015	29°14'05"	90°32'30"	open water
Terrebonne	016	29°14'17"	90°32'30"	open water
Terrebonne	017	29°14'29"	90°32'30"	open water
Terrebonne	018	29°14'41"	90°32'30"	open water
Terrebonne	021	29°14'53"	90°32'30"	open water
Terrebonne	022	29°15'05"	90°32'30"	open water
Terrebonne	023	29°15'17"	90°32'30"	open water
Terrebonne	024	29°15'29"	90°32'30"	open water
Terrebonne	025	29°15'42"	90°32'30"	open water
Terrebonne	026	29°15'54"	90°32'30"	open water
Terrebonne	027	29°16'06"	90°32'30"	open water
Terrebonne	028	29°16'18"	90°32'30"	open water
Terrebonne	031	29°16'30"	90°32'30"	open water
Terrebonne	032	29°16'42"	90°32'30"	Polyhaline Oystergrass

### Transect 27 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	033	29°16'54"	90°32'30"	Polyhaline Oystergrass
Terrebonne	034	29°17'06"	90°32'30"	Polyhaline Oystergrass
Terrebonne	035	29°17'18"	90°32'30"	Polyhaline Oystergrass
Terrebonne	036	29°17'30"	90°32'30"	Polyhaline Oystergrass
Terrebonne	037	29°17'42"	90°32'30"	Polyhaline Oystergrass
Terrebonne	038	29°17'55"	90°32'30"	Polyhaline Oystergrass
Terrebonne	041	29°18'07"	90°32'30"	Polyhaline Oystergrass
Terrebonne	042	29°18'19"	90°32'30"	open water
Terrebonne	043	29°18'31"	90°32'30"	Polyhaline Oystergrass
Terrebonne	044	29°18'43"	90°32'30"	Polyhaline Oystergrass
Terrebonne	045	29°18'55"	90°32'30"	open water
Terrebonne	046	29°19'07"	90°32'30"	Polyhaline Oystergrass
Terrebonne	047	29°19'19"	90°32'30"	Polyhaline Oystergrass
Terrebonne	048	29°19'31"	90°32'30"	Polyhaline Oystergrass
Terrebonne	051	29°19'43"	90°32'30"	Polyhaline Oystergrass
Terrebonne	052	29°19'56"	90°32'30"	Polyhaline Oystergrass
Terrebonne	053	29°20'08"	90°32'30"	Polyhaline Oystergrass
Terrebonne	054	29°20'20"	90°32'30"	Polyhaline Oystergrass
Terrebonne	055	29°20'32"	90°32'30"	open water

Terrebonne	056	29°20'44"	90°32'30"	Polyhaline Oystergrass
Terrebonne	057	29°20'56"	90°32'30"	Polyhaline Oystergrass
Terrebonne	058	29°21'08"	90°32'30"	open water
Terrebonne	061	29°21'20"	90°32'30"	Polyhaline Oystergrass
Terrebonne	062	29°21'32"	90°32'30"	natural levee
Terrebonne	063	29°21'44"	90°32'30"	Polyhaline Oystergrass
Terrebonne	064	29°21'57"	90°32'30"	Mesohaline Mix
Terrebonne	065	29°22'09"	90°32'30"	Mesohaline Mix
Terrebonne	066	29°22'21"	90°32'30"	open water
Terrebonne	067	29°22'33"	90°32'30"	open water
Terrebonne	068	29°22'45"	90°32'30"	Mesohaline Mix
Terrebonne	071	29°22'57"	90°32'30"	spoilbank
Terrebonne	072	29°23'09"	90°32'30"	Oligohaline Wiregrass
Terrebonne	073	29°23'21"	90°32'30"	Oligohaline Wiregrass
Terrebonne	074	29°23'33"	90°32'30"	Oligohaline Wiregrass
Terrebonne	075	29°23'45"	90°32'30"	Oligohaline Wiregrass
Terrebonne	076	29°23'57"	90°32'30"	Oligohaline Wiregrass
Terrebonne	077	29°24'10"	90°32'30"	Oligohaline Wiregrass
Terrebonne	078	29°24'22"	90°32'30"	spoilbank
Terrebonne	081	29°24'34"	90°32'30"	Oligohaline Wiregrass
Terrebonne	082	29°24'46"	90°32'30"	Oligohaline Wiregrass
Terrebonne	083	29°24'58"	90°32'30"	Fresh Bulltongue
Terrebonne	084	29°25'10"	90°32'30"	Oligohaline Mix
Terrebonne	085	29°25'22"	90°32'30"	Fresh Bulltongue
Terrebonne	086	29°25'34"	90°32'30"	Fresh Bulltongue
Terrebonne	087	29°25'46"	90°32'30"	Fresh Bulltongue
Terrebonne	088	29°25'58"	90°32'30"	Fresh Bulltongue
Terrebonne	091	29°26'11"	90°32'30"	Fresh Bulltongue
Terrebonne	092	29°26'23"	90°32'30"	Fresh Bulltongue
Terrebonne	093	29°26'35"	90°32'30"	developed
Terrebonne	094	29°26'47"	90°32'30"	trees or shrubs

### Transect 27 (continued)

<b>Basin</b>	<b>Station</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Vegetation Type</b>
Terrebonne	095	29°26'59"	90°32'30"	trees or shrubs
Terrebonne	096	29°27'11"	90°32'30"	Fresh Maidencane
Terrebonne	097	29°27'23"	90°32'30"	developed
Terrebonne	098	29°27'35"	90°32'30"	developed
Terrebonne	101	29°27'47"	90°32'30"	developed
Terrebonne	102	29°27'59"	90°32'30"	developed
Terrebonne	103	29°28'11"	90°32'30"	developed
Terrebonne	104	29°28'24"	90°32'30"	developed
Terrebonne	105	29°28'36"	90°32'30"	developed
Terrebonne	106	29°28'48"	90°32'30"	developed
Terrebonne	107	29°29'00"	90°32'30"	developed
Terrebonne	108	29°29'12"	90°32'30"	developed
Terrebonne	111	29°29'24"	90°32'30"	developed
Terrebonne	112	29°29'36"	90°32'30"	developed
Terrebonne	113	29°29'48"	90°32'30"	developed
Terrebonne	114	29°30'00"	90°32'30"	developed
Terrebonne	115	29°30'12"	90°32'30"	developed
Terrebonne	116	29°30'25"	90°32'30"	developed
Terrebonne	117	29°30'37"	90°32'30"	developed

Terrebonne	118	29°30'49"	90°32'30"	developed
Terrebonne	121	29°31'01"	90°32'30"	developed
Terrebonne	122	29°31'13"	90°32'30"	developed
Terrebonne	123	29°31'25"	90°32'30"	developed
Terrebonne	124	29°31'37"	90°32'30"	developed
Terrebonne	125	29°31'49"	90°32'30"	developed
Terrebonne	126	29°32'01"	90°32'30"	developed
Terrebonne	127	29°32'13"	90°32'30"	developed
Terrebonne	128	29°32'26"	90°32'30"	Fresh Cutgrass
Terrebonne	131	29°32'38"	90°32'30"	Fresh Cutgrass
Terrebonne	132	29°32'50"	90°32'30"	developed
Terrebonne	133	29°33'02"	90°32'30"	developed
Terrebonne	134	29°33'14"	90°32'30"	Fresh Cutgrass
Terrebonne	135	29°33'26"	90°32'30"	Fresh Cutgrass
Terrebonne	136	29°33'38"	90°32'30"	Fresh Cutgrass
Terrebonne	137	29°33'50"	90°32'30"	developed
Terrebonne	138	29°34'02"	90°32'30"	developed
Terrebonne	141	29°34'14"	90°32'30"	Fresh Cutgrass
Terrebonne	142	29°34'26"	90°32'30"	Fresh Maidencane
Terrebonne	143	29°34'39"	90°32'30"	trees or shrubs
Terrebonne	144	29°34'51"	90°32'30"	Fresh Cutgrass
Terrebonne	145	29°35'03"	90°32'30"	Fresh Cutgrass
Terrebonne	146	29°35'15"	90°32'30"	Fresh Cutgrass
Terrebonne	147	29°35'27"	90°32'30"	Fresh Cutgrass
Terrebonne	148	29°35'39"	90°32'30"	Fresh Cutgrass
Terrebonne	151	29°35'51"	90°32'30"	developed
Terrebonne	152	29°36'03"	90°32'30"	developed
Terrebonne	153	29°36'15"	90°32'30"	developed
Terrebonne	154	29°36'27"	90°32'30"	developed
Terrebonne	155	29°36'40"	90°32'30"	developed
Terrebonne	156	29°36'52"	90°32'30"	developed

### Transect 27 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Terrebonne	157	29°37'04"	90°32'30"	developed
Terrebonne	158	29°37'16"	90°32'30"	developed
Terrebonne	161	29°37'28"	90°32'30"	developed
Terrebonne	162	29°37'40"	90°32'30"	developed
Terrebonne	163	29°37'52"	90°32'30"	developed
Terrebonne	164	29°38'04"	90°32'30"	developed
Terrebonne	165	29°38'16"	90°32'30"	developed
Terrebonne	166	29°38'28"	90°32'30"	developed
Terrebonne	167	29°38'41"	90°32'30"	developed
Terrebonne	168	29°38'53"	90°32'30"	developed
Terrebonne	171	29°39'05"	90°32'30"	developed
Barataria	172	29°39'17"	90°32'30"	developed
Barataria	173	29°39'29"	90°32'30"	developed
Barataria	174	29°39'41"	90°32'30"	developed
Barataria	175	29°39'53"	90°32'30"	developed
Barataria	176	29°40'05"	90°32'30"	developed
Barataria	177	29°40'17"	90°32'30"	developed
Barataria	178	29°40'29"	90°32'30"	developed
Barataria	181	29°40'42"	90°32'30"	developed
Barataria	182	29°40'54"	90°32'30"	developed
Barataria	183	29°41'06"	90°32'30"	developed

Barataria	184	29°41'18"	90°32'30"	developed
Barataria	185	29°41'30"	90°32'30"	Fresh Cutgrass
Barataria	186	29°41'42"	90°32'30"	Fresh Maidencane
Barataria	187	29°41'54"	90°32'30"	Fresh Maidencane
Barataria	188	29°42'06"	90°32'30"	Fresh Maidencane
Barataria	191	29°42'18"	90°32'30"	Fresh Maidencane
Barataria	192	29°42'30"	90°32'30"	Fresh Maidencane
Barataria	193	29°42'42"	90°32'30"	Fresh Maidencane
Barataria	194	29°42'55"	90°32'30"	Fresh Maidencane
Barataria	195	29°43'07"	90°32'30"	trees or shrubs
Barataria	196	29°43'19"	90°32'30"	trees or shrubs
Barataria	197	29°43'31"	90°32'30"	trees or shrubs
Barataria	198	29°43'43"	90°32'30"	trees or shrubs
Barataria	201	29°43'55"	90°32'30"	trees or shrubs
Barataria	202	29°44'07"	90°32'30"	trees or shrubs
Barataria	203	29°44'19"	90°32'30"	trees or shrubs
Barataria	204	29°44'31"	90°32'30"	trees or shrubs
Barataria	205	29°44'43"	90°32'30"	trees or shrubs
Barataria	206	29°44'56"	90°32'30"	trees or shrubs
Barataria	207	29°45'08"	90°32'30"	trees or shrubs
Barataria	208	29°45'20"	90°32'30"	trees or shrubs
Barataria	211	29°45'32"	90°32'30"	trees or shrubs
Barataria	212	29°45'44"	90°32'30"	trees or shrubs
Barataria	213	29°45'56"	90°32'30"	trees or shrubs
Barataria	214	29°46'08"	90°32'30"	Fresh Maidencane
Barataria	215	29°46'20"	90°32'30"	Fresh Maidencane
Barataria	216	29°46'32"	90°32'30"	Fresh Maidencane
Barataria	217	29°46'44"	90°32'30"	open water
Barataria	218	29°46'57"	90°32'30"	Fresh Maidencane

### Transect 27 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	221	29°47'09"	90°32'30"	Fresh Maidencane
Barataria	222	29°47'21"	90°32'30"	Fresh Maidencane
Barataria	223	29°47'33"	90°32'30"	Fresh Maidencane
Barataria	224	29°47'45"	90°32'30"	Fresh Maidencane
Barataria	225	29°47'57"	90°32'30"	Fresh Maidencane
Barataria	226	29°48'09"	90°32'30"	Fresh Maidencane
Barataria	227	29°48'21"	90°32'30"	Fresh Bulltongue
Barataria	228	29°48'33"	90°32'30"	Fresh Maidencane
Barataria	231	29°48'45"	90°32'30"	Fresh Bulltongue
Barataria	232	29°48'57"	90°32'30"	Fresh Bulltongue
Barataria	233	29°49'10"	90°32'30"	Fresh Bulltongue
Barataria	234	29°49'22"	90°32'30"	trees or shrubs
Barataria	235	29°49'34"	90°32'30"	open water
Barataria	236	29°49'46"	90°32'30"	open water
Barataria	237	29°49'58"	90°32'30"	open water
Barataria	238	29°50'10"	90°32'30"	open water
Barataria	241	29°50'22"	90°32'30"	open water
Barataria	242	29°50'34"	90°32'30"	open water
Barataria	243	29°50'46"	90°32'30"	open water
Barataria	244	29°50'58"	90°32'30"	open water
Barataria	245	29°51'11"	90°32'30"	open water
Barataria	246	29°51'23"	90°32'30"	open water
Barataria	247	29°51'35"	90°32'30"	open water

Barataria	248	29°51'47"	90°32'30"	open water
Barataria	251	29°51'59"	90°32'30"	open water
Barataria	252	29°52'11"	90°32'30"	open water
Barataria	253	29°52'23"	90°32'30"	open water
Barataria	254	29°52'35"	90°32'30"	trees or shrubs
Barataria	255	29°52'47"	90°32'30"	trees or shrubs
Barataria	256	29°52'59"	90°32'30"	trees or shrubs
Barataria	257	29°53'11"	90°32'30"	trees or shrubs
Barataria	258	29°53'24"	90°32'30"	trees or shrubs
Barataria	261	29°53'36"	90°32'30"	Fresh Bulltongue
Barataria	262	29°53'48"	90°32'30"	Fresh Bulltongue
Barataria	263	29°54'00"	90°32'30"	open water
Barataria	264	29°54'12"	90°32'30"	open water
Barataria	265	29°54'24"	90°32'30"	open water
Barataria	266	29°54'36"	90°32'30"	open water
Barataria	267	29°54'48"	90°32'30"	trees or shrubs
Barataria	268	29°55'00"	90°32'30"	trees or shrubs
Barataria	271	29°55'12"	90°32'30"	open water
Barataria	272	29°55'25"	90°32'30"	Fresh Maidencane

### Transect 28

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Terrebonne	005	29°02'39"	90°25'00"	beach
Terrebonne	006	29°02'51"	90°25'00"	Polyhaline Mangrove

### Transect 28 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Terrebonne	007	29°03'03"	90°25'00"	Polyhaline Mangrove
Terrebonne	008	29°03'15"	90°25'00"	open water
Terrebonne	011	29°03'27"	90°25'00"	open water
Terrebonne	012	29°03'39"	90°25'00"	open water
Terrebonne	013	29°03'52"	90°25'00"	open water
Terrebonne	014	29°04'04"	90°25'00"	open water
Terrebonne	015	29°04'16"	90°25'00"	open water
Terrebonne	016	29°04'28"	90°25'00"	open water
Terrebonne	017	29°04'40"	90°25'00"	open water
Terrebonne	018	29°04'52"	90°25'00"	open water
Terrebonne	021	29°05'04"	90°25'00"	open water
Terrebonne	022	29°05'16"	90°25'00"	open water
Terrebonne	023	29°05'28"	90°25'00"	open water
Terrebonne	024	29°05'40"	90°25'00"	open water
Terrebonne	025	29°05'53"	90°25'00"	open water
Terrebonne	026	29°06'05"	90°25'00"	open water
Terrebonne	027	29°06'17"	90°25'00"	open water
Terrebonne	028	29°06'29"	90°25'00"	open water
Terrebonne	031	29°06'41"	90°25'00"	open water
Terrebonne	032	29°06'53"	90°25'00"	open water
Terrebonne	033	29°07'05"	90°25'00"	open water
Terrebonne	034	29°07'17"	90°25'00"	open water
Terrebonne	035	29°07'29"	90°25'00"	open water
Terrebonne	036	29°07'41"	90°25'00"	open water
Terrebonne	037	29°07'53"	90°25'00"	open water

Terrebonne	038	29°08'06"	90°25'00"	open water
Terrebonne	041	29°08'18"	90°25'00"	open water
Terrebonne	042	29°08'30"	90°25'00"	open water
Terrebonne	043	29°08'42"	90°25'00"	open water
Terrebonne	044	29°08'54"	90°25'00"	open water
Terrebonne	045	29°09'06"	90°25'00"	open water
Terrebonne	046	29°09'18"	90°25'00"	open water
Terrebonne	047	29°09'30"	90°25'00"	open water
Terrebonne	048	29°09'42"	90°25'00"	open water
Terrebonne	051	29°09'54"	90°25'00"	open water
Terrebonne	052	29°10'07"	90°25'00"	open water
Terrebonne	053	29°10'19"	90°25'00"	open water
Terrebonne	054	29°10'31"	90°25'00"	open water
Terrebonne	055	29°10'43"	90°25'00"	open water
Terrebonne	056	29°10'55"	90°25'00"	open water
Terrebonne	057	29°11'07"	90°25'00"	open water
Terrebonne	058	29°11'19"	90°25'00"	open water
Terrebonne	061	29°11'31"	90°25'00"	open water
Terrebonne	062	29°11'43"	90°25'00"	open water
Terrebonne	063	29°11'55"	90°25'00"	natural levee
Terrebonne	064	29°12'08"	90°25'00"	Polyhaline Oystergrass
Terrebonne	065	29°12'20"	90°25'00"	open water
Terrebonne	066	29°12'32"	90°25'00"	open water
Terrebonne	067	29°12'44"	90°25'00"	open water
Terrebonne	068	29°12'56"	90°25'00"	open water

### Transect 28 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	071	29°13'08"	90°25'00"	open water
Terrebonne	072	29°13'20"	90°25'00"	open water
Terrebonne	073	29°13'32"	90°25'00"	open water
Terrebonne	074	29°13'44"	90°25'00"	open water
Terrebonne	075	29°13'56"	90°25'00"	open water
Terrebonne	076	29°14'08"	90°25'00"	open water
Terrebonne	077	29°14'21"	90°25'00"	open water
Terrebonne	078	29°14'33"	90°25'00"	Polyhaline Oystergrass
Terrebonne	081	29°14'45"	90°25'00"	open water
Terrebonne	082	29°14'57"	90°25'00"	open water
Terrebonne	083	29°15'09"	90°25'00"	open water
Terrebonne	084	29°15'21"	90°25'00"	open water
Terrebonne	085	29°15'33"	90°25'00"	open water
Terrebonne	086	29°15'45"	90°25'00"	open water
Terrebonne	087	29°15'57"	90°25'00"	open water
Terrebonne	088	29°16'09"	90°25'00"	open water
Terrebonne	091	29°16'22"	90°25'00"	open water
Terrebonne	092	29°16'34"	90°25'00"	open water
Terrebonne	093	29°16'46"	90°25'00"	open water
Terrebonne	094	29°16'58"	90°25'00"	open water
Terrebonne	095	29°17'10"	90°25'00"	open water
Terrebonne	096	29°17'22"	90°25'00"	open water
Terrebonne	097	29°17'34"	90°25'00"	open water
Terrebonne	098	29°17'46"	90°25'00"	open water
Terrebonne	101	29°17'58"	90°25'00"	Polyhaline Oystergrass

Terrebonne	102	29°18'10"	90°25'00"	Polyhaline Oystergrass
Terrebonne	103	29°18'22"	90°25'00"	Polyhaline Oystergrass
Terrebonne	104	29°18'35"	90°25'00"	Polyhaline Oystergrass
Terrebonne	105	29°18'47"	90°25'00"	Polyhaline Oystergrass
Terrebonne	106	29°18'59"	90°25'00"	Polyhaline Oystergrass
Terrebonne	107	29°19'11"	90°25'00"	Polyhaline Oystergrass
Terrebonne	108	29°19'23"	90°25'00"	Polyhaline Oystergrass
Terrebonne	111	29°19'35"	90°25'00"	Polyhaline Oystergrass
Terrebonne	112	29°19'47"	90°25'00"	Polyhaline Oystergrass
Terrebonne	113	29°19'59"	90°25'00"	open water
Terrebonne	114	29°20'11"	90°25'00"	Polyhaline Oystergrass
Terrebonne	115	29°20'23"	90°25'00"	Polyhaline Oystergrass
Terrebonne	116	29°20'36"	90°25'00"	open water
Terrebonne	117	29°20'48"	90°25'00"	Polyhaline Oystergrass
Terrebonne	118	29°21'00"	90°25'00"	Polyhaline Oystergrass
Terrebonne	121	29°21'12"	90°25'00"	Mesohaline Mix
Terrebonne	122	29°21'24"	90°25'00"	Mesohaline Mix
Terrebonne	123	29°21'36"	90°25'00"	natural levee
Terrebonne	124	29°21'48"	90°25'00"	open water
Terrebonne	125	29°22'00"	90°25'00"	natural levee
Terrebonne	126	29°22'12"	90°25'00"	Mesohaline Wiregrass
Terrebonne	127	29°22'24"	90°25'00"	Oligohaline Wiregrass
Terrebonne	128	29°22'37"	90°25'00"	open water
Terrebonne	131	29°22'49"	90°25'00"	Oligohaline Mix
Terrebonne	132	29°23'01"	90°25'00"	Mesohaline Wiregrass

### Transect 28 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	133	29°23'13"	90°25'00"	Mesohaline Wiregrass
Terrebonne	134	29°23'25"	90°25'00"	Oligohaline Mix
Terrebonne	135	29°23'37"	90°25'00"	Mesohaline Mix
Terrebonne	136	29°23'49"	90°25'00"	Oligohaline Mix
Terrebonne	137	29°24'01"	90°25'00"	Oligohaline Mix
Terrebonne	138	29°24'13"	90°25'00"	Oligohaline Mix
Terrebonne	141	29°24'25"	90°25'00"	Oligohaline Mix
Terrebonne	142	29°24'37"	90°25'00"	open water
Terrebonne	143	29°24'50"	90°25'00"	Oligohaline Wiregrass
Terrebonne	144	29°25'02"	90°25'00"	Oligohaline Mix
Terrebonne	145	29°25'14"	90°25'00"	spoilbank
Terrebonne	146	29°25'26"	90°25'00"	Oligohaline Mix
Terrebonne	147	29°25'38"	90°25'00"	spoilbank
Terrebonne	148	29°25'50"	90°25'00"	spoilbank
Terrebonne	151	29°26'02"	90°25'00"	Fresh Bulltongue
Terrebonne	152	29°26'14"	90°25'00"	Fresh Bulltongue
Terrebonne	153	29°26'26"	90°25'00"	Oligohaline Mix
Terrebonne	154	29°26'38"	90°25'00"	Fresh Bulltongue
Terrebonne	155	29°26'51"	90°25'00"	Fresh Bulltongue
Terrebonne	156	29°27'03"	90°25'00"	Oligohaline Mix
Terrebonne	157	29°27'15"	90°25'00"	Oligohaline Mix
Terrebonne	158	29°27'27"	90°25'00"	open water
Terrebonne	161	29°27'39"	90°25'00"	Oligohaline Mix
Terrebonne	162	29°27'51"	90°25'00"	Oligohaline Mix
Terrebonne	163	29°28'03"	90°25'00"	Oligohaline Mix
Terrebonne	164	29°28'15"	90°25'00"	open water
Terrebonne	165	29°28'27"	90°25'00"	Fresh Bulltongue

Terrebonne	166	29°28'39"	90°25'00"	Fresh Bulltongue
Terrebonne	167	29°28'51"	90°25'00"	Fresh Bulltongue
Terrebonne	168	29°29'04"	90°25'00"	Fresh Maidencane
Terrebonne	171	29°29'16"	90°25'00"	Fresh Maidencane
Terrebonne	172	29°29'28"	90°25'00"	trees or shrubs
Terrebonne	173	29°29'40"	90°25'00"	trees or shrubs
Terrebonne	174	29°29'52"	90°25'00"	trees or shrubs
Terrebonne	175	29°30'04"	90°25'00"	trees or shrubs
Terrebonne	176	29°30'16"	90°25'00"	trees or shrubs
Terrebonne	177	29°30'28"	90°25'00"	trees or shrubs
Terrebonne	178	29°30'40"	90°25'00"	Fresh Cutgrass
Terrebonne	181	29°30'52"	90°25'00"	Fresh Cutgrass
Terrebonne	182	29°31'05"	90°25'00"	Fresh Cutgrass
Terrebonne	183	29°31'17"	90°25'00"	de-watered marsh
Terrebonne	184	29°31'29"	90°25'00"	trees or shrubs
Terrebonne	185	29°31'41"	90°25'00"	developed
Terrebonne	186	29°31'53"	90°25'00"	trees or shrubs
Terrebonne	187	29°32'05"	90°25'00"	developed
Terrebonne	188	29°32'17"	90°25'00"	developed
Barataria	191	29°32'29"	90°25'00"	developed
Barataria	192	29°32'41"	90°25'00"	developed
Barataria	193	29°32'53"	90°25'00"	developed
Barataria	194	29°33'05"	90°25'00"	developed

### Transect 28 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	195	29°33'17"	90°25'00"	developed
Barataria	196	29°33'29"	90°25'00"	developed
Barataria	197	29°33'42"	90°25'00"	developed
Barataria	198	29°33'54"	90°25'00"	developed
Barataria	201	29°34'06"	90°25'00"	developed
Barataria	202	29°34'18"	90°25'00"	Fresh Maidencane
Barataria	203	29°34'30"	90°25'00"	Fresh Cutgrass
Barataria	204	29°34'42"	90°25'00"	trees or shrubs
Barataria	205	29°34'54"	90°25'00"	trees or shrubs
Barataria	206	29°35'06"	90°25'00"	trees or shrubs
Barataria	207	29°35'18"	90°25'00"	trees or shrubs
Barataria	208	29°35'30"	90°25'00"	trees or shrubs
Barataria	211	29°35'43"	90°25'00"	trees or shrubs
Barataria	212	29°35'55"	90°25'00"	trees or shrubs
Barataria	213	29°36'07"	90°25'00"	trees or shrubs
Barataria	214	29°36'19"	90°25'00"	de-watered marsh
Barataria	215	29°36'31"	90°25'00"	de-watered marsh
Barataria	216	29°36'43"	90°25'00"	Fresh Maidencane
Barataria	217	29°36'55"	90°25'00"	Fresh Maidencane
Barataria	218	29°37'07"	90°25'00"	Fresh Maidencane
Barataria	221	29°37'19"	90°25'00"	Fresh Maidencane
Barataria	222	29°37'31"	90°25'00"	Fresh Maidencane
Barataria	223	29°37'43"	90°25'00"	developed
Barataria	224	29°37'56"	90°25'00"	developed
Barataria	225	29°38'08"	90°25'00"	developed
Barataria	226	29°38'20"	90°25'00"	Fresh Maidencane
Barataria	227	29°38'32"	90°25'00"	open water
Barataria	228	29°38'44"	90°25'00"	Fresh Bulltongue
Barataria	231	29°38'56"	90°25'00"	Fresh Bulltongue

Barataria	232	29°39'08"	90°25'00"	Fresh Bulltongue
Barataria	233	29°39'20"	90°25'00"	Fresh Maidencane
Barataria	234	29°39'32"	90°25'00"	Fresh Maidencane
Barataria	235	29°39'44"	90°25'00"	Fresh Maidencane
Barataria	236	29°39'57"	90°25'00"	Fresh Maidencane
Barataria	237	29°40'09"	90°25'00"	open water
Barataria	238	29°40'21"	90°25'00"	open water
Barataria	241	29°40'33"	90°25'00"	open water
Barataria	242	29°40'45"	90°25'00"	open water
Barataria	243	29°40'57"	90°25'00"	Fresh Maidencane
Barataria	244	29°41'09"	90°25'00"	Fresh Maidencane
Barataria	245	29°41'21"	90°25'00"	Fresh Maidencane
Barataria	246	29°41'33"	90°25'00"	open water
Barataria	247	29°41'45"	90°25'00"	open water
Barataria	248	29°41'58"	90°25'00"	Fresh Bulltongue
Barataria	251	29°42'10"	90°25'00"	Fresh Maidencane
Barataria	252	29°42'22"	90°25'00"	Fresh Maidencane
Barataria	253	29°42'34"	90°25'00"	open water
Barataria	254	29°42'46"	90°25'00"	Fresh Maidencane
Barataria	255	29°42'58"	90°25'00"	Fresh Maidencane
Barataria	256	29°43'10"	90°25'00"	Fresh Bulltongue

### Transect 28 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	257	29°43'22"	90°25'00"	Fresh Bulltongue
Barataria	258	29°43'34"	90°25'00"	Fresh Bulltongue
Barataria	261	29°43'46"	90°25'00"	trees or shrubs
Barataria	262	29°43'58"	90°25'00"	open water
Barataria	263	29°44'11"	90°25'00"	open water
Barataria	264	29°44'23"	90°25'00"	open water
Barataria	265	29°44'35"	90°25'00"	Fresh Maidencane
Barataria	266	29°44'47"	90°25'00"	Fresh Maidencane
Barataria	267	29°44'59"	90°25'00"	trees or shrubs

### Transect 29

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Terrebonne	004	29°04'05"	90°17'30"	beach
Terrebonne	005	29°04'17"	90°17'30"	open water
Terrebonne	006	29°04'29"	90°17'30"	open water
Terrebonne	007	29°04'41"	90°17'30"	open water
Terrebonne	008	29°04'53"	90°17'30"	open water
Terrebonne	011	29°05'05"	90°17'30"	open water
Terrebonne	012	29°05'18"	90°17'30"	open water
Terrebonne	013	29°05'30"	90°17'30"	open water
Terrebonne	014	29°05'42"	90°17'30"	open water
Terrebonne	015	29°05'54"	90°17'30"	open water
Terrebonne	016	29°06'06"	90°17'30"	open water
Terrebonne	017	29°06'18"	90°17'30"	open water
Terrebonne	018	29°06'30"	90°17'30"	open water
Terrebonne	021	29°06'42"	90°17'30"	open water
Terrebonne	022	29°06'54"	90°17'30"	open water

Terrebonne	023	29°07'06"	90°17'30"	open water
Terrebonne	024	29°07'19"	90°17'30"	open water
Terrebonne	025	29°07'31"	90°17'30"	open water
Terrebonne	026	29°07'43"	90°17'30"	open water
Terrebonne	027	29°07'55"	90°17'30"	open water
Terrebonne	028	29°08'07"	90°17'30"	open water
Terrebonne	031	29°08'19"	90°17'30"	open water
Terrebonne	032	29°08'31"	90°17'30"	open water
Terrebonne	033	29°08'43"	90°17'30"	open water
Terrebonne	034	29°08'55"	90°17'30"	open water
Terrebonne	035	29°09'07"	90°17'30"	open water
Terrebonne	036	29°09'19"	90°17'30"	open water
Terrebonne	037	29°09'32"	90°17'30"	open water
Terrebonne	038	29°09'44"	90°17'30"	open water
Terrebonne	041	29°09'56"	90°17'30"	open water
Terrebonne	042	29°10'08"	90°17'30"	open water
Terrebonne	043	29°10'20"	90°17'30"	open water
Terrebonne	044	29°10'32"	90°17'30"	open water
Terrebonne	045	29°10'44"	90°17'30"	open water
Terrebonne	046	29°10'56"	90°17'30"	open water

### Transect 29 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Terrebonne	047	29°11'08"	90°17'30"	open water
Terrebonne	048	29°11'20"	90°17'30"	open water
Terrebonne	051	29°11'33"	90°17'30"	open water
Terrebonne	052	29°11'45"	90°17'30"	open water
Terrebonne	053	29°11'57"	90°17'30"	open water
Terrebonne	054	29°12'09"	90°17'30"	open water
Terrebonne	055	29°12'21"	90°17'30"	open water
Terrebonne	056	29°12'33"	90°17'30"	open water
Terrebonne	057	29°12'45"	90°17'30"	open water
Terrebonne	058	29°12'57"	90°17'30"	open water
Terrebonne	061	29°13'09"	90°17'30"	open water
Terrebonne	062	29°13'21"	90°17'30"	Polyhaline Oystergrass
Terrebonne	063	29°13'34"	90°17'30"	Polyhaline Oystergrass
Terrebonne	064	29°13'46"	90°17'30"	Polyhaline Oystergrass
Terrebonne	065	29°13'58"	90°17'30"	Polyhaline Oystergrass
Terrebonne	066	29°14'10"	90°17'30"	Polyhaline Oystergrass
Terrebonne	067	29°14'22"	90°17'30"	open water
Terrebonne	068	29°14'34"	90°17'30"	Polyhaline Oystergrass
Terrebonne	071	29°14'46"	90°17'30"	Polyhaline Oystergrass
Terrebonne	072	29°14'58"	90°17'30"	natural levee
Terrebonne	073	29°15'10"	90°17'30"	Polyhaline Oystergrass
Terrebonne	074	29°15'22"	90°17'30"	Polyhaline Oystergrass
Terrebonne	075	29°15'34"	90°17'30"	Mesohaline Mix
Terrebonne	076	29°15'47"	90°17'30"	Polyhaline Oystergrass
Terrebonne	077	29°15'59"	90°17'30"	open water
Terrebonne	078	29°16'11"	90°17'30"	Polyhaline Oystergrass
Terrebonne	081	29°16'23"	90°17'30"	Polyhaline Oystergrass
Terrebonne	082	29°16'35"	90°17'30"	Polyhaline Oystergrass
Terrebonne	083	29°16'47"	90°17'30"	Polyhaline Oystergrass
Terrebonne	084	29°16'59"	90°17'30"	Mesohaline Mix
Terrebonne	085	29°17'11"	90°17'30"	open water
Terrebonne	086	29°17'23"	90°17'30"	Mesohaline Mix
Terrebonne	087	29°17'35"	90°17'30"	open water

Terrebonne	088	29°17'48"	90°17'30"	Mesohaline Mix
Terrebonne	091	29°18'00"	90°17'30"	Mesohaline Mix
Terrebonne	092	29°18'12"	90°17'30"	Mesohaline Mix
Terrebonne	093	29°18'24"	90°17'30"	Mesohaline Mix
Terrebonne	094	29°18'36"	90°17'30"	Mesohaline Mix
Terrebonne	095	29°18'48"	90°17'30"	Polyhaline Oystergrass
Terrebonne	096	29°19'00"	90°17'30"	Mesohaline Mix
Terrebonne	097	29°19'12"	90°17'30"	Mesohaline Mix
Terrebonne	098	29°19'24"	90°17'30"	open water
Terrebonne	101	29°19'36"	90°17'30"	Mesohaline Mix
Terrebonne	102	29°19'48"	90°17'30"	Mesohaline Wiregrass
Terrebonne	103	29°20'01"	90°17'30"	Mesohaline Wiregrass
Terrebonne	104	29°20'13"	90°17'30"	Mesohaline Wiregrass
Terrebonne	105	29°20'25"	90°17'30"	Mesohaline Wiregrass
Terrebonne	106	29°20'37"	90°17'30"	Mesohaline Mix
Terrebonne	107	29°20'49"	90°17'30"	open water
Terrebonne	108	29°21'01"	90°17'30"	Mesohaline Wiregrass

### Transect 29 (continued)

<b>Basin</b>	<b>Station</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Vegetation Type</b>
Terrebonne	111	29°21'13"	90°17'30"	open water
Terrebonne	112	29°21'25"	90°17'30"	Mesohaline Wiregrass
Terrebonne	113	29°21'37"	90°17'30"	de-watered marsh
Terrebonne	114	29°21'49"	90°17'30"	de-watered marsh
Terrebonne	115	29°22'02"	90°17'30"	de-watered marsh
Terrebonne	116	29°22'14"	90°17'30"	de-watered marsh
Terrebonne	117	29°22'26"	90°17'30"	de-watered marsh
Terrebonne	118	29°22'38"	90°17'30"	de-watered marsh
Terrebonne	121	29°22'50"	90°17'30"	de-watered marsh
Terrebonne	122	29°23'02"	90°17'30"	de-watered marsh
Terrebonne	123	29°23'14"	90°17'30"	de-watered marsh
Terrebonne	124	29°23'26"	90°17'30"	de-watered marsh
Terrebonne	125	29°23'38"	90°17'30"	developed
Barataria	126	29°23'50"	90°17'30"	developed
Barataria	127	29°24'02"	90°17'30"	developed
Barataria	128	29°24'14"	90°17'30"	Fresh Bulltongue
Barataria	131	29°24'26"	90°17'30"	Fresh Bulltongue
Barataria	132	29°24'38"	90°17'30"	Fresh Bulltongue
Barataria	133	29°24'50"	90°17'30"	Fresh Bulltongue
Barataria	134	29°25'03"	90°17'30"	developed
Barataria	135	29°25'15"	90°17'30"	Fresh Bulltongue
Barataria	136	29°25'27"	90°17'30"	Fresh Bulltongue
Barataria	137	29°25'39"	90°17'30"	Fresh Bulltongue
Barataria	138	29°25'51"	90°17'30"	de-watered marsh
Barataria	141	29°26'03"	90°17'30"	developed
Barataria	142	29°26'15"	90°17'30"	de-watered marsh
Barataria	143	29°26'27"	90°17'30"	de-watered marsh
Barataria	144	29°26'39"	90°17'30"	developed
Barataria	145	29°26'51"	90°17'30"	developed
Barataria	146	29°27'04"	90°17'30"	Fresh Bulltongue
Barataria	147	29°27'16"	90°17'30"	Fresh Bulltongue
Barataria	148	29°27'28"	90°17'30"	Fresh Maidencane
Barataria	151	29°27'40"	90°17'30"	Fresh Bulltongue
Barataria	152	29°27'52"	90°17'30"	developed
Barataria	153	29°28'04"	90°17'30"	missing

Barataria	154	29°28'16"	90°17'30"	missing
Barataria	155	29°28'28"	90°17'30"	missing
Barataria	156	29°28'40"	90°17'30"	missing
Barataria	157	29°28'52"	90°17'30"	open water
Barataria	158	29°29'04"	90°17'30"	open water
Barataria	161	29°29'17"	90°17'30"	developed
Barataria	162	29°29'29"	90°17'30"	developed
Barataria	163	29°29'41"	90°17'30"	developed
Barataria	164	29°29'53"	90°17'30"	developed
Barataria	165	29°30'05"	90°17'30"	developed
Barataria	166	29°30'17"	90°17'30"	developed
Barataria	167	29°30'29"	90°17'30"	developed
Barataria	168	29°30'41"	90°17'30"	developed
Barataria	171	29°30'53"	90°17'30"	de-watered marsh
Barataria	172	29°31'05"	90°17'30"	Oligohaline Mix

### Transect 29 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	173	29°31'18"	90°17'30"	Oligohaline Wiregrass
Barataria	174	29°31'30"	90°17'30"	Fresh Bulltongue
Barataria	175	29°31'42"	90°17'30"	Oligohaline Mix
Barataria	176	29°31'54"	90°17'30"	Oligohaline Mix
Barataria	177	29°32'06"	90°17'30"	Oligohaline Mix
Barataria	178	29°32'18"	90°17'30"	Oligohaline Mix
Barataria	181	29°32'30"	90°17'30"	natural levee
Barataria	182	29°32'42"	90°17'30"	open water
Barataria	183	29°32'54"	90°17'30"	open water
Barataria	184	29°33'06"	90°17'30"	open water
Barataria	185	29°33'19"	90°17'30"	open water
Barataria	186	29°33'31"	90°17'30"	open water
Barataria	187	29°33'43"	90°17'30"	open water
Barataria	188	29°33'55"	90°17'30"	open water
Barataria	191	29°34'07"	90°17'30"	Fresh Bulltongue
Barataria	192	29°34'19"	90°17'30"	Fresh Bulltongue
Barataria	193	29°34'31"	90°17'30"	Oligohaline Mix
Barataria	194	29°34'43"	90°17'30"	Fresh Bulltongue
Barataria	195	29°34'55"	90°17'30"	Fresh Bulltongue
Barataria	196	29°35'07"	90°17'30"	Fresh Bulltongue
Barataria	197	29°35'19"	90°17'30"	Fresh Bulltongue
Barataria	198	29°35'32"	90°17'30"	Fresh Bulltongue
Barataria	201	29°35'44"	90°17'30"	Fresh Bulltongue
Barataria	202	29°35'56"	90°17'30"	Fresh Bulltongue
Barataria	203	29°36'08"	90°17'30"	open water
Barataria	204	29°36'20"	90°17'30"	open water
Barataria	205	29°36'32"	90°17'30"	open water
Barataria	206	29°36'44"	90°17'30"	open water
Barataria	207	29°36'56"	90°17'30"	open water
Barataria	208	29°37'08"	90°17'30"	open water
Barataria	211	29°37'20"	90°17'30"	open water
Barataria	212	29°37'33"	90°17'30"	open water
Barataria	213	29°37'45"	90°17'30"	open water
Barataria	214	29°37'57"	90°17'30"	open water
Barataria	215	29°38'09"	90°17'30"	open water
Barataria	216	29°38'21"	90°17'30"	open water
Barataria	217	29°38'33"	90°17'30"	open water

Barataria	218	29°38'45"	90°17'30"	open water
Barataria	221	29°38'57"	90°17'30"	open water
Barataria	222	29°39'09"	90°17'30"	open water
Barataria	223	29°39'21"	90°17'30"	open water
Barataria	224	29°39'33"	90°17'30"	open water
Barataria	225	29°39'46"	90°17'30"	open water
Barataria	226	29°39'58"	90°17'30"	open water
Barataria	227	29°40'10"	90°17'30"	open water
Barataria	228	29°40'22"	90°17'30"	open water
Barataria	231	29°40'34"	90°17'30"	open water
Barataria	232	29°40'46"	90°17'30"	open water
Barataria	233	29°40'58"	90°17'30"	open water
Barataria	234	29°41'10"	90°17'30"	open water

### Transect 29 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	235	29°41'22"	90°17'30"	open water
Barataria	236	29°41'34"	90°17'30"	open water
Barataria	237	29°41'47"	90°17'30"	open water
Barataria	238	29°41'59"	90°17'30"	Fresh Bulltongue
Barataria	241	29°42'11"	90°17'30"	open water
Barataria	242	29°42'23"	90°17'30"	Fresh Bulltongue
Barataria	243	29°42'35"	90°17'30"	open water
Barataria	244	29°42'47"	90°17'30"	open water
Barataria	245	29°42'59"	90°17'30"	Oligohaline Mix
Barataria	246	29°43'11"	90°17'30"	Fresh Bulltongue
Barataria	247	29°43'23"	90°17'30"	Fresh Bulltongue
Barataria	248	29°43'35"	90°17'30"	Fresh Bulltongue
Barataria	251	29°43'48"	90°17'30"	Fresh Bulltongue
Barataria	252	29°44'00"	90°17'30"	Fresh Bulltongue
Barataria	253	29°44'12"	90°17'30"	Fresh Bulltongue
Barataria	254	29°44'24"	90°17'30"	Fresh Bulltongue
Barataria	255	29°44'36"	90°17'30"	Fresh Bulltongue
Barataria	256	29°44'48"	90°17'30"	Fresh Bulltongue
Barataria	257	29°45'00"	90°17'30"	Fresh Bulltongue
Barataria	258	29°45'12"	90°17'30"	Fresh Bulltongue
Barataria	261	29°45'24"	90°17'30"	Fresh Bulltongue
Barataria	262	29°45'36"	90°17'30"	Fresh Bulltongue
Barataria	263	29°45'48"	90°17'30"	Fresh Bulltongue
Barataria	264	29°46'01"	90°17'30"	Fresh Bulltongue
Barataria	265	29°46'13"	90°17'30"	open water
Barataria	266	29°46'25"	90°17'30"	open water
Barataria	267	29°46'37"	90°17'30"	open water
Barataria	268	29°46'49"	90°17'30"	open water
Barataria	271	29°47'01"	90°17'30"	open water
Barataria	272	29°47'13"	90°17'30"	trees or shrubs
Barataria	273	29°47'25"	90°17'30"	trees or shrubs
Barataria	274	29°47'37"	90°17'30"	trees or shrubs
Barataria	275	29°47'49"	90°17'30"	trees or shrubs
Barataria	276	29°48'02"	90°17'30"	Fresh Cutgrass
Barataria	277	29°48'14"	90°17'30"	Fresh Maidencane
Barataria	278	29°48'26"	90°17'30"	open water
Barataria	281	29°48'38"	90°17'30"	Fresh Maidencane

Barataria	282	29°48'50"	90°17'30"	open water
Barataria	283	29°49'02"	90°17'30"	open water
Barataria	284	29°49'14"	90°17'30"	open water
Barataria	285	29°49'26"	90°17'30"	trees or shrubs
Barataria	286	29°49'38"	90°17'30"	open water
Barataria	287	29°49'50"	90°17'30"	open water
Barataria	288	29°50'02"	90°17'30"	Fresh Cutgrass
Barataria	291	29°50'15"	90°17'30"	open water
Barataria	292	29°50'27"	90°17'30"	open water
Barataria	293	29°50'39"	90°17'30"	open water
Barataria	294	29°50'51"	90°17'30"	open water
Barataria	295	29°51'03"	90°17'30"	Fresh Cutgrass
Barataria	296	29°51'15"	90°17'30"	developed

### Transect 29 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	297	29°51'27"	90°17'30"	developed
Barataria	298	29°51'39"	90°17'30"	developed

### Transect 30

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	006	29°06'08"	90°10'00"	open water
Barataria	007	29°06'21"	90°10'00"	open water
Barataria	008	29°06'34"	90°10'00"	open water
Barataria	011	29°06'47"	90°10'00"	open water
Barataria	012	29°07'00"	90°10'00"	open water
Barataria	013	29°07'13"	90°10'00"	Polyhaline Oystergrass
Barataria	014	29°07'26"	90°10'00"	Mesohaline Mix
Barataria	015	29°07'39"	90°10'00"	Mesohaline Mix
Barataria	016	29°07'52"	90°10'00"	Mesohaline Mix
Barataria	017	29°08'05"	90°10'00"	Mesohaline Wiregrass
Barataria	018	29°08'18"	90°10'00"	Mesohaline Wiregrass
Barataria	021	29°08'31"	90°10'00"	Mesohaline Wiregrass
Barataria	022	29°08'44"	90°10'00"	Mesohaline Wiregrass
Barataria	023	29°08'56"	90°10'00"	open water
Barataria	024	29°09'09"	90°10'00"	Mesohaline Wiregrass
Barataria	025	29°09'22"	90°10'00"	open water
Barataria	026	29°09'35"	90°10'00"	open water
Barataria	027	29°09'48"	90°10'00"	Mesohaline Mix
Barataria	028	29°10'01"	90°10'00"	Mesohaline Wiregrass
Barataria	031	29°10'14"	90°10'00"	Mesohaline Mix
Barataria	032	29°10'27"	90°10'00"	Mesohaline Mix
Barataria	033	29°10'40"	90°10'00"	open water
Barataria	034	29°10'53"	90°10'00"	Mesohaline Mix
Barataria	035	29°11'06"	90°10'00"	natural levee
Barataria	036	29°11'19"	90°10'00"	Mesohaline Mix
Barataria	037	29°11'32"	90°10'00"	Mesohaline Wiregrass
Barataria	038	29°11'45"	90°10'00"	open water
Barataria	041	29°11'58"	90°10'00"	Mesohaline Mix
Barataria	042	29°12'11"	90°10'00"	Mesohaline Mix
Barataria	043	29°12'24"	90°10'00"	Mesohaline Mix

Barataria	044	29°12'37"	90°10'00"	Mesohaline Mix
Barataria	045	29°12'50"	90°10'00"	open water
Barataria	046	29°13'03"	90°10'00"	Mesohaline Mix
Barataria	047	29°13'16"	90°10'00"	open water
Barataria	048	29°13'29"	90°10'00"	Mesohaline Mix
Barataria	051	29°13'42"	90°10'00"	open water
Barataria	052	29°13'55"	90°10'00"	Mesohaline Mix
Barataria	053	29°14'08"	90°10'00"	open water
Barataria	054	29°14'20"	90°10'00"	natural levee
Barataria	055	29°14'33"	90°10'00"	Mesohaline Mix
Barataria	056	29°14'46"	90°10'00"	Mesohaline Mix
Barataria	057	29°14'59"	90°10'00"	Mesohaline Mix

### Transect 30 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	058	29°15'12"	90°10'00"	Mesohaline Mix
Barataria	061	29°15'25"	90°10'00"	Mesohaline Wiregrass
Barataria	062	29°15'38"	90°10'00"	Mesohaline Wiregrass
Barataria	063	29°15'51"	90°10'00"	Mesohaline Wiregrass
Barataria	064	29°16'04"	90°10'00"	Mesohaline Wiregrass
Barataria	065	29°16'17"	90°10'00"	Mesohaline Wiregrass
Barataria	066	29°16'30"	90°10'00"	Mesohaline Mix
Barataria	067	29°16'43"	90°10'00"	open water
Barataria	068	29°16'56"	90°10'00"	open water
Barataria	071	29°17'09"	90°10'00"	open water
Barataria	072	29°17'22"	90°10'00"	Mesohaline Wiregrass
Barataria	073	29°17'35"	90°10'00"	open water
Barataria	074	29°17'48"	90°10'00"	Mesohaline Wiregrass
Barataria	075	29°18'01"	90°10'00"	Mesohaline Wiregrass
Barataria	076	29°18'14"	90°10'00"	Mesohaline Wiregrass
Barataria	077	29°18'27"	90°10'00"	Mesohaline Mix
Barataria	078	29°18'40"	90°10'00"	Mesohaline Wiregrass
Barataria	081	29°18'53"	90°10'00"	Mesohaline Mix
Barataria	082	29°19'06"	90°10'00"	open water
Barataria	083	29°19'19"	90°10'00"	Mesohaline Mix
Barataria	084	29°19'32"	90°10'00"	open water
Barataria	085	29°19'44"	90°10'00"	Mesohaline Wiregrass
Barataria	086	29°19'57"	90°10'00"	open water
Barataria	087	29°20'10"	90°10'00"	Mesohaline Wiregrass
Barataria	088	29°20'23"	90°10'00"	Mesohaline Wiregrass
Barataria	091	29°20'36"	90°10'00"	Mesohaline Wiregrass
Barataria	092	29°20'49"	90°10'00"	Mesohaline Wiregrass
Barataria	093	29°21'02"	90°10'00"	open water
Barataria	094	29°21'15"	90°10'00"	Mesohaline Wiregrass
Barataria	095	29°21'28"	90°10'00"	Mesohaline Mix
Barataria	096	29°21'41"	90°10'00"	open water
Barataria	097	29°21'54"	90°10'00"	Mesohaline Mix
Barataria	098	29°22'07"	90°10'00"	Mesohaline Wiregrass
Barataria	101	29°22'20"	90°10'00"	Mesohaline Wiregrass
Barataria	102	29°22'33"	90°10'00"	Mesohaline Mix
Barataria	103	29°22'46"	90°10'00"	Mesohaline Mix
Barataria	104	29°22'59"	90°10'00"	Mesohaline Wiregrass
Barataria	105	29°23'12"	90°10'00"	open water
Barataria	106	29°23'25"	90°10'00"	open water
Barataria	107	29°23'38"	90°10'00"	open water
Barataria	108	29°23'51"	90°10'00"	Mesohaline Wiregrass

Barataria	111	29°24'04"	90°10'00"	open water
Barataria	112	29°24'17"	90°10'00"	Oligohaline Wiregrass
Barataria	113	29°24'30"	90°10'00"	open water
Barataria	114	29°24'43"	90°10'00"	natural levee
Barataria	115	29°24'56"	90°10'00"	open water
Barataria	116	29°25'08"	90°10'00"	open water
Barataria	117	29°25'21"	90°10'00"	open water
Barataria	118	29°25'34"	90°10'00"	open water
Barataria	121	29°25'47"	90°10'00"	open water

### Transect 30 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	122	29°26'00"	90°10'00"	open water
Barataria	123	29°26'13"	90°10'00"	open water
Barataria	124	29°26'26"	90°10'00"	Oligohaline Wiregrass
Barataria	125	29°26'39"	90°10'00"	Mesohaline Wiregrass
Barataria	126	29°26'52"	90°10'00"	Oligohaline Wiregrass
Barataria	127	29°27'05"	90°10'00"	Oligohaline Wiregrass
Barataria	128	29°27'18"	90°10'00"	Mesohaline Wiregrass
Barataria	131	29°27'31"	90°10'00"	Mesohaline Wiregrass
Barataria	132	29°27'44"	90°10'00"	open water
Barataria	133	29°27'57"	90°10'00"	open water
Barataria	134	29°28'10"	90°10'00"	open water
Barataria	135	29°28'23"	90°10'00"	open water
Barataria	136	29°28'36"	90°10'00"	open water
Barataria	137	29°28'49"	90°10'00"	open water
Barataria	138	29°29'02"	90°10'00"	open water
Barataria	141	29°29'15"	90°10'00"	open water
Barataria	142	29°29'28"	90°10'00"	open water
Barataria	143	29°29'41"	90°10'00"	open water
Barataria	144	29°29'54"	90°10'00"	open water
Barataria	145	29°30'07"	90°10'00"	open water
Barataria	146	29°30'20"	90°10'00"	open water
Barataria	147	29°30'32"	90°10'00"	open water
Barataria	148	29°30'45"	90°10'00"	open water
Barataria	151	29°30'58"	90°10'00"	open water
Barataria	152	29°31'11"	90°10'00"	open water
Barataria	153	29°31'24"	90°10'00"	open water
Barataria	154	29°31'37"	90°10'00"	open water
Barataria	155	29°31'50"	90°10'00"	open water
Barataria	156	29°32'03"	90°10'00"	open water
Barataria	157	29°32'16"	90°10'00"	open water
Barataria	158	29°32'29"	90°10'00"	open water
Barataria	161	29°32'42"	90°10'00"	spoilbank
Barataria	162	29°32'55"	90°10'00"	Mesohaline Wiregrass
Barataria	163	29°33'08"	90°10'00"	open water
Barataria	164	29°33'21"	90°10'00"	open water
Barataria	165	29°33'34"	90°10'00"	Oligohaline Wiregrass
Barataria	166	29°33'47"	90°10'00"	Mesohaline Wiregrass
Barataria	167	29°34'00"	90°10'00"	open water
Barataria	168	29°34'13"	90°10'00"	open water
Barataria	171	29°34'26"	90°10'00"	open water
Barataria	172	29°34'39"	90°10'00"	open water

Barataria	173	29°34'52"	90°10'00"	Oligohaline Wiregrass
Barataria	174	29°35'05"	90°10'00"	Oligohaline Wiregrass
Barataria	175	29°35'18"	90°10'00"	Mesohaline Wiregrass
Barataria	176	29°35'31"	90°10'00"	Oligohaline Wiregrass
Barataria	177	29°35'44"	90°10'00"	Mesohaline Wiregrass
Barataria	178	29°35'56"	90°10'00"	Mesohaline Wiregrass
Barataria	181	29°36'09"	90°10'00"	open water
Barataria	182	29°36'22"	90°10'00"	open water
Barataria	183	29°36'35"	90°10'00"	open water

### Transect 30 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	184	29°36'48"	90°10'00"	open water
Barataria	185	29°37'01"	90°10'00"	open water
Barataria	186	29°37'14"	90°10'00"	open water
Barataria	187	29°37'27"	90°10'00"	open water
Barataria	188	29°37'40"	90°10'00"	open water
Barataria	191	29°37'53"	90°10'00"	open water
Barataria	192	29°38'06"	90°10'00"	open water
Barataria	193	29°38'19"	90°10'00"	open water
Barataria	194	29°38'32"	90°10'00"	open water
Barataria	195	29°38'45"	90°10'00"	open water
Barataria	196	29°38'58"	90°10'00"	spoilbank
Barataria	197	29°39'11"	90°10'00"	spoilbank
Barataria	198	29°39'24"	90°10'00"	spoilbank
Barataria	201	29°39'37"	90°10'00"	Oligohaline Wiregrass
Barataria	202	29°39'50"	90°10'00"	Oligohaline Wiregrass
Barataria	203	29°40'03"	90°10'00"	open water
Barataria	204	29°40'16"	90°10'00"	open water
Barataria	205	29°40'29"	90°10'00"	Oligohaline Wiregrass
Barataria	206	29°40'42"	90°10'00"	open water
Barataria	207	29°40'55"	90°10'00"	Oligohaline Mix
Barataria	208	29°41'08"	90°10'00"	Oligohaline Mix
Barataria	211	29°41'20"	90°10'00"	trees or shrubs
Barataria	212	29°41'33"	90°10'00"	trees or shrubs
Barataria	213	29°41'46"	90°10'00"	trees or shrubs
Barataria	214	29°41'59"	90°10'00"	trees or shrubs
Barataria	215	29°42'12"	90°10'00"	Oligohaline Mix
Barataria	216	29°42'25"	90°10'00"	trees or shrubs
Barataria	217	29°42'38"	90°10'00"	trees or shrubs
Barataria	218	29°42'51"	90°10'00"	Oligohaline Mix
Barataria	221	29°43'04"	90°10'00"	Oligohaline Mix
Barataria	222	29°43'17"	90°10'00"	open water
Barataria	223	29°43'30"	90°10'00"	open water
Barataria	224	29°43'43"	90°10'00"	open water
Barataria	225	29°43'56"	90°10'00"	open water
Barataria	226	29°44'09"	90°10'00"	open water
Barataria	227	29°44'22"	90°10'00"	open water
Barataria	228	29°44'35"	90°10'00"	open water
Barataria	231	29°44'48"	90°10'00"	open water
Barataria	232	29°45'01"	90°10'00"	open water
Barataria	233	29°45'14"	90°10'00"	open water
Barataria	234	29°45'27"	90°10'00"	open water
Barataria	235	29°45'40"	90°10'00"	open water
Barataria	236	29°45'53"	90°10'00"	open water

Barataria	237	29°46'06"	90°10'00"	open water
Barataria	238	29°46'19"	90°10'00"	open water
Barataria	241	29°46'32"	90°10'00"	open water
Barataria	242	29°46'44"	90°10'00"	open water
Barataria	243	29°46'57"	90°10'00"	open water
Barataria	244	29°47'10"	90°10'00"	Fresh Bulltongue
Barataria	245	29°47'23"	90°10'00"	Oligohaline Mix

### Transect 30 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	246	29°47'36"	90°10'00"	Oligohaline Mix
Barataria	247	29°47'49"	90°10'00"	Oligohaline Mix
Barataria	248	29°48'02"	90°10'00"	open water
Barataria	251	29°48'15"	90°10'00"	open water
Barataria	252	29°48'28"	90°10'00"	open water
Barataria	253	29°48'41"	90°10'00"	Oligohaline Mix
Barataria	254	29°48'54"	90°10'00"	Fresh Bulltongue
Barataria	255	29°49'07"	90°10'00"	open water
Barataria	256	29°49'20"	90°10'00"	open water
Barataria	257	29°49'33"	90°10'00"	Oligohaline Mix
Barataria	258	29°49'46"	90°10'00"	Oligohaline Mix
Barataria	261	29°49'59"	90°10'00"	Oligohaline Mix
Barataria	262	29°50'12"	90°10'00"	Oligohaline Mix
Barataria	263	29°50'25"	90°10'00"	Oligohaline Mix
Barataria	264	29°50'38"	90°10'00"	open water
Barataria	265	29°50'51"	90°10'00"	Oligohaline Mix
Barataria	266	29°51'04"	90°10'00"	Fresh Bulltongue
Barataria	267	29°51'17"	90°10'00"	Fresh Bulltongue
Barataria	268	29°51'30"	90°10'00"	Fresh Bulltongue
Barataria	271	29°51'43"	90°10'00"	Fresh Bulltongue
Barataria	272	29°51'56"	90°10'00"	open water
Barataria	273	29°52'08"	90°10'00"	Fresh Bulltongue
Barataria	274	29°52'21"	90°10'00"	open water
Barataria	275	29°52'34"	90°10'00"	Fresh Bulltongue
Barataria	276	29°52'47"	90°10'00"	Fresh Bulltongue
Barataria	277	29°53'00"	90°10'00"	Fresh Bulltongue

### Transect 31

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	005	29°11'35"	90°02'30"	beach
Barataria	006	29°11'48"	90°02'30"	Polyhaline Mangrove
Barataria	007	29°12'01"	90°02'30"	Polyhaline Mangrove
Barataria	008	29°12'14"	90°02'30"	open water
Barataria	011	29°12'27"	90°02'30"	open water
Barataria	012	29°12'40"	90°02'30"	open water
Barataria	013	29°12'53"	90°02'30"	open water
Barataria	014	29°13'06"	90°02'30"	open water
Barataria	015	29°13'19"	90°02'30"	open water
Barataria	016	29°13'32"	90°02'30"	open water
Barataria	017	29°13'45"	90°02'30"	open water
Barataria	018	29°13'58"	90°02'30"	open water

Barataria	021	29°14'11"	90°02'30"	open water
Barataria	022	29°14'23"	90°02'30"	open water
Barataria	023	29°14'36"	90°02'30"	open water
Barataria	024	29°14'49"	90°02'30"	open water
Barataria	025	29°15'02"	90°02'30"	open water
Barataria	026	29°15'15"	90°02'30"	Polyhaline Mangrove

### Transect 31 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	027	29°15'28"	90°02'30"	open water
Barataria	028	29°15'41"	90°02'30"	open water
Barataria	031	29°15'54"	90°02'30"	open water
Barataria	032	29°16'07"	90°02'30"	open water
Barataria	033	29°16'20"	90°02'30"	open water
Barataria	034	29°16'33"	90°02'30"	open water
Barataria	035	29°16'46"	90°02'30"	Polyhaline Oystergrass
Barataria	036	29°16'59"	90°02'30"	Polyhaline Oystergrass
Barataria	037	29°17'12"	90°02'30"	Polyhaline Oystergrass
Barataria	038	29°17'25"	90°02'30"	Polyhaline Oystergrass
Barataria	041	29°17'38"	90°02'30"	Polyhaline Oystergrass
Barataria	042	29°17'51"	90°02'30"	Polyhaline Oystergrass
Barataria	043	29°18'04"	90°02'30"	open water
Barataria	044	29°18'17"	90°02'30"	open water
Barataria	045	29°18'30"	90°02'30"	open water
Barataria	046	29°18'43"	90°02'30"	Mesohaline Mix
Barataria	047	29°18'56"	90°02'30"	open water
Barataria	048	29°19'09"	90°02'30"	Polyhaline Oystergrass
Barataria	051	29°19'22"	90°02'30"	Polyhaline Oystergrass
Barataria	052	29°19'35"	90°02'30"	Polyhaline Oystergrass
Barataria	053	29°19'47"	90°02'30"	open water
Barataria	054	29°20'00"	90°02'30"	Polyhaline Oystergrass
Barataria	055	29°20'13"	90°02'30"	open water
Barataria	056	29°20'26"	90°02'30"	Polyhaline Oystergrass
Barataria	057	29°20'39"	90°02'30"	Polyhaline Oystergrass
Barataria	058	29°20'52"	90°02'30"	Polyhaline Oystergrass
Barataria	061	29°21'05"	90°02'30"	Mesohaline Mix
Barataria	062	29°21'18"	90°02'30"	open water
Barataria	063	29°21'31"	90°02'30"	open water
Barataria	064	29°21'44"	90°02'30"	Polyhaline Oystergrass
Barataria	065	29°21'57"	90°02'30"	Polyhaline Oystergrass
Barataria	066	29°22'10"	90°02'30"	open water
Barataria	067	29°22'23"	90°02'30"	open water
Barataria	068	29°22'36"	90°02'30"	open water
Barataria	071	29°22'49"	90°02'30"	open water
Barataria	072	29°23'02"	90°02'30"	open water
Barataria	073	29°23'15"	90°02'30"	open water
Barataria	074	29°23'28"	90°02'30"	open water
Barataria	075	29°23'41"	90°02'30"	open water
Barataria	076	29°23'54"	90°02'30"	open water
Barataria	077	29°24'07"	90°02'30"	open water
Barataria	078	29°24'20"	90°02'30"	Mesohaline Mix
Barataria	081	29°24'33"	90°02'30"	Mesohaline Mix

Barataria	082	29°24'46"	90°02'30"	Mesohaline Mix
Barataria	083	29°24'59"	90°02'30"	Mesohaline Wiregrass
Barataria	084	29°25'11"	90°02'30"	Mesohaline Mix
Barataria	085	29°25'24"	90°02'30"	open water
Barataria	086	29°25'37"	90°02'30"	Polyhaline Oystergrass
Barataria	087	29°25'50"	90°02'30"	open water
Barataria	088	29°26'03"	90°02'30"	open water

### Transect 31 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	091	29°26'16"	90°02'30"	open water
Barataria	092	29°26'29"	90°02'30"	open water
Barataria	093	29°26'42"	90°02'30"	open water
Barataria	094	29°26'55"	90°02'30"	open water
Barataria	095	29°27'08"	90°02'30"	open water
Barataria	096	29°27'21"	90°02'30"	Mesohaline Mix
Barataria	097	29°27'34"	90°02'30"	Mesohaline Mix
Barataria	098	29°27'47"	90°02'30"	Mesohaline Mix
Barataria	101	29°28'00"	90°02'30"	Mesohaline Wiregrass
Barataria	102	29°28'13"	90°02'30"	open water
Barataria	103	29°28'26"	90°02'30"	Mesohaline Wiregrass
Barataria	104	29°28'39"	90°02'30"	Mesohaline Wiregrass
Barataria	105	29°28'52"	90°02'30"	open water
Barataria	106	29°29'05"	90°02'30"	Mesohaline Mix
Barataria	107	29°29'18"	90°02'30"	Mesohaline Wiregrass
Barataria	108	29°29'31"	90°02'30"	Mesohaline Wiregrass
Barataria	111	29°29'44"	90°02'30"	Mesohaline Wiregrass
Barataria	112	29°29'57"	90°02'30"	Mesohaline Wiregrass
Barataria	113	29°30'10"	90°02'30"	Mesohaline Wiregrass
Barataria	114	29°30'23"	90°02'30"	open water
Barataria	115	29°30'35"	90°02'30"	Mesohaline Wiregrass
Barataria	116	29°30'48"	90°02'30"	open water
Barataria	117	29°31'01"	90°02'30"	open water
Barataria	118	29°31'14"	90°02'30"	Mesohaline Wiregrass
Barataria	121	29°31'27"	90°02'30"	Mesohaline Wiregrass
Barataria	122	29°31'40"	90°02'30"	Mesohaline Wiregrass
Barataria	123	29°31'53"	90°02'30"	Mesohaline Wiregrass
Barataria	124	29°32'06"	90°02'30"	Mesohaline Wiregrass
Barataria	125	29°32'19"	90°02'30"	Mesohaline Wiregrass
Barataria	126	29°32'32"	90°02'30"	Mesohaline Wiregrass
Barataria	127	29°32'45"	90°02'30"	Mesohaline Wiregrass
Barataria	128	29°32'58"	90°02'30"	Mesohaline Wiregrass
Barataria	131	29°33'11"	90°02'30"	Mesohaline Wiregrass
Barataria	132	29°33'24"	90°02'30"	open water
Barataria	133	29°33'37"	90°02'30"	Mesohaline Wiregrass
Barataria	134	29°33'50"	90°02'30"	Mesohaline Wiregrass
Barataria	135	29°34'03"	90°02'30"	Mesohaline Wiregrass
Barataria	136	29°34'16"	90°02'30"	spoilbank
Barataria	137	29°34'29"	90°02'30"	spoilbank
Barataria	138	29°34'42"	90°02'30"	spoilbank
Barataria	141	29°34'55"	90°02'30"	Oligohaline Wiregrass
Barataria	142	29°35'08"	90°02'30"	open water
Barataria	143	29°35'21"	90°02'30"	open water
Barataria	144	29°35'34"	90°02'30"	Mesohaline Mix
Barataria	145	29°35'47"	90°02'30"	Mesohaline Wiregrass

Barataria	146	29°35'59"	90°02'30"	Mesohaline Wiregrass
Barataria	147	29°36'12"	90°02'30"	Oligohaline Wiregrass
Barataria	148	29°36'25"	90°02'30"	Oligohaline Wiregrass
Barataria	151	29°36'38"	90°02'30"	Oligohaline Wiregrass
Barataria	152	29°36'51"	90°02'30"	open water

### Transect 31 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	153	29°37'04"	90°02'30"	Oligohaline Wiregrass
Barataria	154	29°37'17"	90°02'30"	natural levee
Barataria	155	29°37'30"	90°02'30"	Mesohaline Wiregrass
Barataria	156	29°37'43"	90°02'30"	Oligohaline Wiregrass
Barataria	157	29°37'56"	90°02'30"	Oligohaline Wiregrass
Barataria	158	29°38'09"	90°02'30"	Oligohaline Wiregrass
Barataria	161	29°38'22"	90°02'30"	Oligohaline Wiregrass
Barataria	162	29°38'35"	90°02'30"	Oligohaline Wiregrass
Barataria	163	29°38'48"	90°02'30"	Oligohaline Wiregrass
Barataria	164	29°39'01"	90°02'30"	Oligohaline Wiregrass
Barataria	165	29°39'14"	90°02'30"	Oligohaline Mix
Barataria	166	29°39'27"	90°02'30"	Oligohaline Mix
Barataria	167	29°39'40"	90°02'30"	Oligohaline Mix
Barataria	168	29°39'53"	90°02'30"	Oligohaline Mix
Barataria	171	29°40'06"	90°02'30"	open water
Barataria	172	29°40'19"	90°02'30"	Oligohaline Mix
Barataria	173	29°40'32"	90°02'30"	Oligohaline Mix
Barataria	174	29°40'45"	90°02'30"	Oligohaline Mix
Barataria	175	29°40'58"	90°02'30"	Oligohaline Mix
Barataria	176	29°41'11"	90°02'30"	Oligohaline Mix
Barataria	177	29°41'23"	90°02'30"	spoilbank
Barataria	178	29°41'36"	90°02'30"	Oligohaline Mix
Barataria	181	29°41'49"	90°02'30"	Oligohaline Wiregrass
Barataria	182	29°42'02"	90°02'30"	Oligohaline Mix
Barataria	183	29°42'15"	90°02'30"	Oligohaline Mix
Barataria	184	29°42'28"	90°02'30"	Oligohaline Wiregrass
Barataria	185	29°42'41"	90°02'30"	Oligohaline Mix
Barataria	186	29°42'54"	90°02'30"	Oligohaline Mix
Barataria	187	29°43'07"	90°02'30"	Oligohaline Mix
Barataria	188	29°43'20"	90°02'30"	Oligohaline Mix
Barataria	191	29°43'33"	90°02'30"	Oligohaline Mix
Barataria	192	29°43'46"	90°02'30"	spoilbank
Barataria	193	29°43'59"	90°02'30"	Oligohaline Mix
Barataria	194	29°44'12"	90°02'30"	Oligohaline Mix
Barataria	195	29°44'25"	90°02'30"	Fresh Cutgrass

### Transect 32

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	002	29°17'27"	89°55'00"	beach
Barataria	003	29°17'40"	89°55'00"	open water
Barataria	004	29°17'53"	89°55'00"	open water
Barataria	005	29°18'06"	89°55'00"	open water
Barataria	006	29°18'19"	89°55'00"	open water

Barataria	007	29°18'32"	89°55'00"	open water
Barataria	008	29°18'45"	89°55'00"	open water
Barataria	011	29°18'58"	89°55'00"	open water
Barataria	012	29°19'11"	89°55'00"	open water

### Transect 32 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	013	29°19'24"	89°55'00"	open water
Barataria	014	29°19'37"	89°55'00"	open water
Barataria	015	29°19'50"	89°55'00"	open water
Barataria	016	29°20'03"	89°55'00"	open water
Barataria	017	29°20'15"	89°55'00"	open water
Barataria	018	29°20'28"	89°55'00"	open water
Barataria	021	29°20'41"	89°55'00"	open water
Barataria	022	29°20'54"	89°55'00"	open water
Barataria	023	29°21'07"	89°55'00"	open water
Barataria	024	29°21'20"	89°55'00"	open water
Barataria	025	29°21'33"	89°55'00"	open water
Barataria	026	29°21'46"	89°55'00"	open water
Barataria	027	29°21'59"	89°55'00"	open water
Barataria	028	29°22'12"	89°55'00"	open water
Barataria	031	29°22'25"	89°55'00"	open water
Barataria	032	29°22'38"	89°55'00"	open water
Barataria	033	29°22'51"	89°55'00"	open water
Barataria	034	29°23'04"	89°55'00"	open water
Barataria	035	29°23'17"	89°55'00"	open water
Barataria	036	29°23'30"	89°55'00"	open water
Barataria	037	29°23'43"	89°55'00"	open water
Barataria	038	29°23'56"	89°55'00"	open water
Barataria	041	29°24'09"	89°55'00"	open water
Barataria	042	29°24'22"	89°55'00"	open water
Barataria	043	29°24'35"	89°55'00"	open water
Barataria	044	29°24'48"	89°55'00"	open water
Barataria	045	29°25'01"	89°55'00"	open water
Barataria	046	29°25'14"	89°55'00"	open water
Barataria	047	29°25'27"	89°55'00"	open water
Barataria	048	29°25'39"	89°55'00"	open water
Barataria	051	29°25'52"	89°55'00"	open water
Barataria	052	29°26'05"	89°55'00"	open water
Barataria	053	29°26'18"	89°55'00"	open water
Barataria	054	29°26'31"	89°55'00"	open water
Barataria	055	29°26'44"	89°55'00"	open water
Barataria	056	29°26'57"	89°55'00"	open water
Barataria	057	29°27'10"	89°55'00"	open water
Barataria	058	29°27'23"	89°55'00"	open water
Barataria	061	29°27'36"	89°55'00"	Mesohaline Mix
Barataria	062	29°27'49"	89°55'00"	open water
Barataria	063	29°28'02"	89°55'00"	open water
Barataria	064	29°28'15"	89°55'00"	open water
Barataria	065	29°28'28"	89°55'00"	open water
Barataria	066	29°28'41"	89°55'00"	open water
Barataria	067	29°28'54"	89°55'00"	open water
Barataria	068	29°29'07"	89°55'00"	open water
Barataria	071	29°29'20"	89°55'00"	open water
Barataria	072	29°29'33"	89°55'00"	Mesohaline Mix
Barataria	073	29°29'46"	89°55'00"	Mesohaline Mix

Barataria	074	29°29'59"	89°55'00"	Mesohaline Wiregrass
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### Transect 32 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	075	29°30'12"	89°55'00"	Mesohaline Mix
Barataria	076	29°30'25"	89°55'00"	Mesohaline Mix
Barataria	077	29°30'38"	89°55'00"	Mesohaline Wiregrass
Barataria	078	29°30'51"	89°55'00"	Mesohaline Wiregrass
Barataria	081	29°31'03"	89°55'00"	Mesohaline Mix
Barataria	082	29°31'16"	89°55'00"	Mesohaline Wiregrass
Barataria	083	29°31'29"	89°55'00"	open water
Barataria	084	29°31'42"	89°55'00"	open water
Barataria	085	29°31'55"	89°55'00"	open water
Barataria	086	29°32'08"	89°55'00"	Mesohaline Wiregrass
Barataria	087	29°32'21"	89°55'00"	Mesohaline Wiregrass
Barataria	088	29°32'34"	89°55'00"	open water
Barataria	091	29°32'47"	89°55'00"	open water
Barataria	092	29°33'00"	89°55'00"	open water
Barataria	093	29°33'13"	89°55'00"	open water
Barataria	094	29°33'26"	89°55'00"	Mesohaline Wiregrass
Barataria	095	29°33'39"	89°55'00"	spoilbank
Barataria	096	29°33'52"	89°55'00"	Mesohaline Wiregrass
Barataria	097	29°34'05"	89°55'00"	open water
Barataria	098	29°34'18"	89°55'00"	Mesohaline Wiregrass
Barataria	101	29°34'31"	89°55'00"	open water
Barataria	102	29°34'44"	89°55'00"	Mesohaline Wiregrass
Barataria	103	29°34'57"	89°55'00"	Oligohaline Wiregrass
Barataria	104	29°35'10"	89°55'00"	open water
Barataria	105	29°35'23"	89°55'00"	open water
Barataria	106	29°35'36"	89°55'00"	open water
Barataria	107	29°35'49"	89°55'00"	open water
Barataria	108	29°36'02"	89°55'00"	Oligohaline Wiregrass

### Transect 33

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	001	29°19'00"	89°47'30"	beach
Barataria	002	29°19'13"	89°47'30"	open water
Barataria	003	29°19'26"	89°47'30"	Mesohaline Mix
Barataria	004	29°19'39"	89°47'30"	Mesohaline Mix
Barataria	005	29°19'52"	89°47'30"	Polyhaline Oystergrass
Barataria	006	29°20'05"	89°47'30"	open water
Barataria	007	29°20'18"	89°47'30"	open water
Barataria	008	29°20'31"	89°47'30"	Polyhaline Oystergrass
Barataria	011	29°20'44"	89°47'30"	Polyhaline Oystergrass
Barataria	012	29°20'57"	89°47'30"	open water
Barataria	013	29°21'10"	89°47'30"	open water
Barataria	014	29°21'23"	89°47'30"	open water
Barataria	015	29°21'36"	89°47'30"	open water
Barataria	016	29°21'48"	89°47'30"	open water
Barataria	017	29°22'01"	89°47'30"	open water

Barataria 018 29°22'14" 89°47'30" open water

### Transect 33 (continued)

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	021	29°22'27"	89°47'30"	open water
Barataria	022	29°22'40"	89°47'30"	open water
Barataria	023	29°22'53"	89°47'30"	open water
Barataria	024	29°23'06"	89°47'30"	open water
Barataria	025	29°23'19"	89°47'30"	open water
Barataria	026	29°23'32"	89°47'30"	open water
Barataria	027	29°23'45"	89°47'30"	open water
Barataria	028	29°23'58"	89°47'30"	open water
Barataria	031	29°24'11"	89°47'30"	open water
Barataria	032	29°24'24"	89°47'30"	open water
Barataria	033	29°24'37"	89°47'30"	open water
Barataria	034	29°24'50"	89°47'30"	Polyhaline Oystergrass
Barataria	035	29°25'03"	89°47'30"	Polyhaline Oystergrass
Barataria	036	29°25'16"	89°47'30"	Polyhaline Oystergrass
Barataria	037	29°25'29"	89°47'30"	Mesohaline Mix
Barataria	038	29°25'42"	89°47'30"	Polyhaline Oystergrass
Barataria	041	29°25'55"	89°47'30"	Polyhaline Oystergrass
Barataria	042	29°26'08"	89°47'30"	Mesohaline Mix
Barataria	043	29°26'21"	89°47'30"	Mesohaline Mix
Barataria	044	29°26'34"	89°47'30"	Mesohaline Mix
Barataria	045	29°26'47"	89°47'30"	Mesohaline Mix
Barataria	046	29°27'00"	89°47'30"	Mesohaline Mix
Barataria	047	29°27'12"	89°47'30"	Polyhaline Oystergrass
Barataria	048	29°27'25"	89°47'30"	Mesohaline Mix
Barataria	051	29°27'38"	89°47'30"	Polyhaline Oystergrass
Barataria	052	29°27'51"	89°47'30"	Polyhaline Oystergrass
Barataria	053	29°28'04"	89°47'30"	Mesohaline Mix
Barataria	054	29°28'17"	89°47'30"	Mesohaline Wiregrass
Barataria	055	29°28'30"	89°47'30"	Mesohaline Wiregrass
Barataria	056	29°28'43"	89°47'30"	Polyhaline Oystergrass
Barataria	057	29°28'56"	89°47'30"	spoilbank
Barataria	058	29°29'09"	89°47'30"	Mesohaline Mix
Barataria	061	29°29'22"	89°47'30"	open water
Barataria	062	29°29'35"	89°47'30"	Mesohaline Mix
Barataria	063	29°29'48"	89°47'30"	Mesohaline Wiregrass
Barataria	064	29°30'01"	89°47'30"	trees or shrubs
Barataria	065	29°30'14"	89°47'30"	trees or shrubs
Barataria	066	29°30'27"	89°47'30"	trees or shrubs
Barataria	067	29°30'40"	89°47'30"	Mesohaline Wiregrass
Barataria	068	29°30'53"	89°47'30"	Mesohaline Mix
Barataria	071	29°31'06"	89°47'30"	Mesohaline Wiregrass
Barataria	072	29°31'19"	89°47'30"	Mesohaline Wiregrass
Barataria	073	29°31'32"	89°47'30"	Mesohaline Wiregrass
Barataria	074	29°31'45"	89°47'30"	Mesohaline Wiregrass
Barataria	075	29°31'58"	89°47'30"	Mesohaline Wiregrass
Barataria	076	29°32'11"	89°47'30"	Mesohaline Wiregrass
Barataria	077	29°32'24"	89°47'30"	Mesohaline Wiregrass
Barataria	078	29°32'36"	89°47'30"	open water
Barataria	081	29°32'49"	89°47'30"	Mesohaline Wiregrass
Barataria	082	29°33'02"	89°47'30"	trees or shrubs

### Transect 34

<b><u>Basin</u></b>	<b><u>Station</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>	<b><u>Vegetation Type</u></b>
Barataria	002	29°17'27"	89°40'00"	beach
Barataria	003	29°17'40"	89°40'00"	open water
Barataria	004	29°17'53"	89°40'00"	open water
Barataria	005	29°18'06"	89°40'00"	open water
Barataria	006	29°18'19"	89°40'00"	open water
Barataria	007	29°18'32"	89°40'00"	open water
Barataria	008	29°18'45"	89°40'00"	open water
Barataria	011	29°18'58"	89°40'00"	open water
Barataria	012	29°19'11"	89°40'00"	open water
Barataria	013	29°19'24"	89°40'00"	spoilbank
Barataria	014	29°19'37"	89°40'00"	Polyhaline Oystergrass
Barataria	015	29°19'50"	89°40'00"	Polyhaline Oystergrass
Barataria	016	29°20'03"	89°40'00"	Polyhaline Oystergrass
Barataria	017	29°20'15"	89°40'00"	Polyhaline Oystergrass
Barataria	018	29°20'28"	89°40'00"	Polyhaline Oystergrass
Barataria	021	29°20'41"	89°40'00"	Polyhaline Oystergrass
Barataria	022	29°20'54"	89°40'00"	open water
Barataria	023	29°21'07"	89°40'00"	open water
Barataria	024	29°21'20"	89°40'00"	Polyhaline Oystergrass
Barataria	025	29°21'33"	89°40'00"	Mesohaline Mix
Barataria	026	29°21'46"	89°40'00"	open water
Barataria	027	29°21'59"	89°40'00"	open water
Barataria	028	29°22'12"	89°40'00"	Polyhaline Oystergrass
Barataria	031	29°22'25"	89°40'00"	Polyhaline Oystergrass
Barataria	032	29°22'38"	89°40'00"	open water
Barataria	033	29°22'51"	89°40'00"	Polyhaline Oystergrass
Barataria	034	29°23'04"	89°40'00"	Polyhaline Oystergrass
Barataria	035	29°23'17"	89°40'00"	Polyhaline Oystergrass
Barataria	036	29°23'30"	89°40'00"	open water
Barataria	037	29°23'43"	89°40'00"	open water
Barataria	038	29°23'56"	89°40'00"	Polyhaline Oystergrass
Barataria	041	29°24'09"	89°40'00"	Mesohaline Mix
Barataria	042	29°24'22"	89°40'00"	Polyhaline Oystergrass
Barataria	043	29°24'35"	89°40'00"	Mesohaline Mix
Barataria	044	29°24'48"	89°40'00"	Mesohaline Mix
Barataria	045	29°25'01"	89°40'00"	open water
Barataria	046	29°25'14"	89°40'00"	open water
Barataria	047	29°25'27"	89°40'00"	Mesohaline Mix
Barataria	048	29°25'39"	89°40'00"	open water
Barataria	051	29°25'52"	89°40'00"	open water
Barataria	052	29°26'05"	89°40'00"	Mesohaline Mix
Barataria	053	29°26'18"	89°40'00"	Mesohaline Wiregrass
Barataria	054	29°26'31"	89°40'00"	open water
Barataria	055	29°26'44"	89°40'00"	Mesohaline Wiregrass
Barataria	056	29°26'57"	89°40'00"	Mesohaline Wiregrass
Barataria	057	29°27'10"	89°40'00"	Mesohaline Wiregrass
Barataria	058	29°27'23"	89°40'00"	developed
Barataria	061	29°27'36"	89°40'00"	developed
Barataria	062	29°27'49"	89°40'00"	developed
Barataria	063	29°28'02"	89°40'00"	developed

**Transect 34 (continued)**

<u><b>Basin</b></u>	<u><b>Station</b></u>	<u><b>Latitude</b></u>	<u><b>Longitude</b></u>	<u><b>Vegetation Type</b></u>
Barataria	064	29°28'15"	89°40'00"	open water

### **Transect 35**

<u><b>Basin</b></u>	<u><b>Station</b></u>	<u><b>Latitude</b></u>	<u><b>Longitude</b></u>	<u><b>Vegetation Type</b></u>
Barataria	006	29°14'00"	89°32'30"	open water
Barataria	007	29°14'13"	89°32'30"	Polyhaline Oystergrass
Barataria	008	29°14'26"	89°32'30"	Polyhaline Oystergrass
Barataria	011	29°14'39"	89°32'30"	Mesohaline Mix
Barataria	012	29°14'52"	89°32'30"	Polyhaline Oystergrass
Barataria	013	29°15'05"	89°32'30"	Polyhaline Oystergrass
Barataria	014	29°15'18"	89°32'30"	Polyhaline Oystergrass
Barataria	015	29°15'31"	89°32'30"	Polyhaline Oystergrass
Barataria	016	29°15'44"	89°32'30"	open water
Barataria	017	29°15'57"	89°32'30"	Polyhaline Oystergrass
Barataria	018	29°16'10"	89°32'30"	Polyhaline Oystergrass
Barataria	021	29°16'23"	89°32'30"	open water
Barataria	022	29°16'36"	89°32'30"	open water
Barataria	023	29°16'48"	89°32'30"	open water
Barataria	024	29°17'01"	89°32'30"	open water
Barataria	025	29°17'14"	89°32'30"	open water
Barataria	026	29°17'27"	89°32'30"	Polyhaline Oystergrass
Barataria	027	29°17'40"	89°32'30"	open water
Barataria	028	29°17'53"	89°32'30"	Polyhaline Oystergrass
Barataria	031	29°18'06"	89°32'30"	Mesohaline Mix
Barataria	032	29°18'19"	89°32'30"	open water
Barataria	033	29°18'32"	89°32'30"	open water
Barataria	034	29°18'45"	89°32'30"	Polyhaline Oystergrass
Barataria	035	29°18'58"	89°32'30"	Mesohaline Mix
Barataria	036	29°19'11"	89°32'30"	open water
Barataria	037	29°19'24"	89°32'30"	Polyhaline Oystergrass
Barataria	038	29°19'37"	89°32'30"	open water
Barataria	041	29°19'50"	89°32'30"	Polyhaline Oystergrass
Barataria	042	29°20'03"	89°32'30"	Polyhaline Oystergrass
Barataria	043	29°20'16"	89°32'30"	open water
Barataria	044	29°20'29"	89°32'30"	Mesohaline Mix
Barataria	045	29°20'42"	89°32'30"	Mesohaline Wiregrass

### **Transect 36**

<u><b>Basin</b></u>	<u><b>Station</b></u>	<u><b>Latitude</b></u>	<u><b>Longitude</b></u>	<u><b>Vegetation Type</b></u>
Barataria	002	28°55'38"	89°25'00"	spoilbank
Barataria	003	28°55'51"	89°25'00"	open water
Barataria	004	28°56'04"	89°25'00"	open water
Barataria	005	28°56'17"	89°25'00"	open water
Barataria	006	28°56'30"	89°25'00"	open water

### **Transect 36 (continued)**

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	007	28°56'43"	89°25'00"	open water
Barataria	008	28°56'56"	89°25'00"	open water
Barataria	011	28°57'09"	89°25'00"	open water
Barataria	012	28°57'22"	89°25'00"	open water
Barataria	013	28°57'35"	89°25'00"	open water
Barataria	014	28°57'48"	89°25'00"	open water
Barataria	015	28°58'01"	89°25'00"	open water
Barataria	016	28°58'14"	89°25'00"	open water
Barataria	017	28°58'26"	89°25'00"	open water
Barataria	018	28°58'39"	89°25'00"	open water
Barataria	021	28°58'52"	89°25'00"	open water
Barataria	022	28°59'05"	89°25'00"	open water
Barataria	023	28°59'18"	89°25'00"	open water
Barataria	024	28°59'31"	89°25'00"	open water
Barataria	025	28°59'44"	89°25'00"	open water
Barataria	026	28°59'57"	89°25'00"	open water
Barataria	027	29°00'10"	89°25'00"	open water
Barataria	028	29°00'23"	89°25'00"	open water
Barataria	031	29°00'36"	89°25'00"	open water
Barataria	032	29°00'49"	89°25'00"	open water
Barataria	033	29°01'02"	89°25'00"	open water
Barataria	034	29°01'15"	89°25'00"	open water
Barataria	035	29°01'28"	89°25'00"	open water
Barataria	036	29°01'41"	89°25'00"	open water
Barataria	037	29°01'54"	89°25'00"	open water
Barataria	038	29°02'07"	89°25'00"	open water
Barataria	041	29°02'20"	89°25'00"	open water
Barataria	042	29°02'33"	89°25'00"	open water
Barataria	043	29°02'46"	89°25'00"	open water
Barataria	044	29°02'59"	89°25'00"	open water
Barataria	045	29°03'12"	89°25'00"	open water
Barataria	046	29°03'25"	89°25'00"	open water
Barataria	047	29°03'38"	89°25'00"	open water
Barataria	048	29°03'50"	89°25'00"	open water
Barataria	051	29°04'03"	89°25'00"	open water
Barataria	052	29°04'16"	89°25'00"	open water
Barataria	053	29°04'29"	89°25'00"	open water
Barataria	054	29°04'42"	89°25'00"	open water
Barataria	055	29°04'55"	89°25'00"	open water
Barataria	056	29°05'08"	89°25'00"	open water
Barataria	057	29°05'21"	89°25'00"	open water
Barataria	058	29°05'34"	89°25'00"	open water
Barataria	061	29°05'47"	89°25'00"	open water
Barataria	062	29°06'00"	89°25'00"	open water
Barataria	063	29°06'13"	89°25'00"	open water
Barataria	064	29°06'26"	89°25'00"	open water
Barataria	065	29°06'39"	89°25'00"	open water
Barataria	066	29°06'52"	89°25'00"	open water
Barataria	067	29°07'05"	89°25'00"	open water

### Transect 36 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
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Barataria	068	29°07'18"	89°25'00"	open water
Barataria	071	29°07'31"	89°25'00"	open water
Barataria	072	29°07'44"	89°25'00"	open water
Barataria	073	29°07'57"	89°25'00"	natural levee
Barataria	074	29°08'10"	89°25'00"	Polyhaline Oystergrass
Barataria	075	29°08'23"	89°25'00"	Polyhaline Oystergrass
Barataria	076	29°08'36"	89°25'00"	Polyhaline Oystergrass
Barataria	077	29°08'49"	89°25'00"	Polyhaline Oystergrass
Barataria	078	29°09'02"	89°25'00"	open water
Barataria	081	29°09'14"	89°25'00"	open water
Barataria	082	29°09'27"	89°25'00"	open water
Barataria	083	29°09'40"	89°25'00"	Polyhaline Oystergrass
Barataria	084	29°09'53"	89°25'00"	open water
Barataria	085	29°10'06"	89°25'00"	open water
Barataria	086	29°10'19"	89°25'00"	Polyhaline Oystergrass
Barataria	087	29°10'32"	89°25'00"	open water
Barataria	088	29°10'45"	89°25'00"	Polyhaline Oystergrass
Barataria	091	29°10'58"	89°25'00"	spoilbank
Barataria	092	29°11'11"	89°25'00"	Polyhaline Oystergrass
Barataria	093	29°11'24"	89°25'00"	spoilbank
Barataria	094	29°11'37"	89°25'00"	open water
Barataria	095	29°11'50"	89°25'00"	open water
Barataria	096	29°12'03"	89°25'00"	Oligohaline Mix
Barataria	097	29°12'16"	89°25'00"	open water
Barataria	098	29°12'29"	89°25'00"	Polyhaline Oystergrass
Barataria	101	29°12'42"	89°25'00"	Oligohaline Wiregrass
Barataria	102	29°12'55"	89°25'00"	open water
Barataria	103	29°13'08"	89°25'00"	Oligohaline Mix
Barataria	104	29°13'21"	89°25'00"	Oligohaline Mix
Barataria	105	29°13'34"	89°25'00"	Oligohaline Wiregrass
Barataria	106	29°13'47"	89°25'00"	Oligohaline Mix
Barataria	107	29°14'00"	89°25'00"	Oligohaline Wiregrass
Barataria	108	29°14'13"	89°25'00"	Oligohaline Wiregrass
Barataria	111	29°14'26"	89°25'00"	Mesohaline Mix
Barataria	112	29°14'38"	89°25'00"	open water
Barataria	113	29°14'51"	89°25'00"	open water
Barataria	114	29°15'04"	89°25'00"	Fresh Bulltongue
Barataria	115	29°15'17"	89°25'00"	open water
Barataria	116	29°15'30"	89°25'00"	open water
Barataria	117	29°15'43"	89°25'00"	Polyhaline Oystergrass
Barataria	118	29°15'56"	89°25'00"	open water
Barataria	121	29°16'09"	89°25'00"	open water
Barataria	122	29°16'22"	89°25'00"	Mesohaline Mix
Barataria	123	29°16'35"	89°25'00"	open water
Barataria	124	29°16'48"	89°25'00"	open water
Barataria	125	29°17'01"	89°25'00"	open water
Barataria	126	29°17'14"	89°25'00"	open water
Barataria	127	29°17'27"	89°25'00"	open water
Barataria	128	29°17'40"	89°25'00"	Mesohaline Wiregrass

### Transect 36 (continued)

<u>Basin</u>	<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Vegetation Type</u>
Barataria	131	29°17'53"	89°25'00"	open water
Barataria	132	29°18'06"	89°25'00"	open water
Barataria	133	29°18'19"	89°25'00"	open water
Barataria	134	29°18'32"	89°25'00"	Mesohaline Mix
Barataria	135	29°18'45"	89°25'00"	Mesohaline Wiregrass
Barataria	136	29°18'58"	89°25'00"	open water
Barataria	137	29°19'11"	89°25'00"	Mesohaline Mix
Barataria	138	29°19'24"	89°25'00"	open water
Barataria	141	29°19'37"	89°25'00"	open water
Barataria	142	29°19'50"	89°25'00"	Mesohaline Mix
Barataria	143	29°20'02"	89°25'00"	developed
Barataria	144	29°20'15"	89°25'00"	developed
Barataria	145	29°20'28"	89°25'00"	developed

**Appendix B**  
**Repeated Sampling Stations and Vegetation Types**  
**in Terrebonne Basin 1968–92**

**Transect 22**

1968			1978			1984			1992		
new station number	station number <sup>2</sup>	vegetation type <sup>3</sup>	station number	vegetation type	station number	vegetation type	station number	vegetation type	station number	vegetation type	
001	162	F Spikerush			001	F Spikerush	001	F Spikerush			
002	158	open water			002	open water	002	open water			
003	156	open water				open water			open water		
004	154	open water				open water			open water		
005	152	open water				open water			open water		
006	148	open water				open water			open water		
007	146	open water				open water			open water		
008	144	open water	002	F Spikerush			open water			open water	
009	142	open water	004	open water			open water			open water	
010	138	open water	006	open water	003	spoilbank				open water	
011	136	open water	008	F Spikerush	004	spoilbank	003			open water	
012	134	spoilbank	010	spoilbank	005	F Spikerush	004			F Spikerush	
013	132	F Maidencane	012	F Spikerush	006	F Spikerush	005			F Spikerush	
014	128	F Maidencane	014	trees or shrubs	007	open water	006			F Spikerush	
015	126	F Maidencane	016	trees or shrubs	008	F Spikerush	007			F Spikerush	
016	124	F Maidencane	018	trees or shrubs	009	F Spikerush	008			F Spikerush	
017	122	F Maidencane	020	F Maidencane	010	F Spikerush	009			trees or shrubs	
018	118	F Maidencane	022	trees or shrubs	011	F Spikerush	010			F Spikerush	
019	116	trees or shrubs	024	F Bulltongue	012	F Maidencane	011			F Spikerush	
020	114	trees or shrubs	026	F Spikerush	013	trees or shrubs	012			trees or shrubs	
021	112	F Maidencane	028	F Spikerush	014	F Maidencane	013			natural levee	
022	108	F Bulltongue	030	F Maidencane	015	trees or shrubs	014			open water	
023	106	F Maidencane	032	F Maidencane	016	F Spikerush	015			F Spikerush	
024	104	F Maidencane	034	trees or shrubs	017	F Spikerush	016			F Spikerush	
025	102	F Maidencane	036	trees or shrubs	018	F Spikerush	017			F Spikerush	
026	098	F Maidencane	038	F Bulltongue	019	F Maidencane	018			F Spikerush	
027	096	natural levee	040	F Maidencane	020	trees or shrubs	019			trees or shrubs	
028	094	trees or shrubs	042	F Spikerush	021	trees or shrubs	020			trees or shrubs	
029	092	trees or shrubs	044	F Bulltongue	022	F Bulltongue	021			F Maidencane	
030	088	natural levee	046	F Maidencane	023	F Bulltongue	022			F Maidencane	

### Transect 22 (continued)

1968			1978			1984			1992		
new station number	station number	vegetation type									
031	086	F Bulltongue	048	F Spikerush	024	F Bulltongue	023	trees or shrubs			
032	084	trees or shrubs	050	O Wiregrass	025	F Bulltongue	024	F Bulltongue			
033	082	F Bulltongue	052	O Wiregrass	026	F Spikerush	025	F Bulltongue			
034	078	natural levee	054	O Wiregrass	027	F Bulltongue	026	F Bulltongue			
035	076	O Wiregrass	056	O Wiregrass	028	F Bulltongue	027	F Spikerush			
036	074	O Wiregrass	058	O Wiregrass	029	F Bulltongue	028	F Bulltongue			
037	072	F Bulltongue	060	open water	030	F Bulltongue	029	F Bulltongue			
038	068	F Bulltongue	062	open water	031	F Maidencane	030	O Wiregrass			
039	066	natural levee	064	O Wiregrass	032	F Bulltongue	031	natural levee			
040	064	open water	066	O Wiregrass	033	O Wiregrass	032	O Wiregrass			
041	062	O Wiregrass	068	O Wiregrass	034	F Bulltongue	033	O Wiregrass			
042	058	O Wiregrass	070	O Wiregrass	035	O Wiregrass	034	F Bulltongue			
043	056	open water	072	open water	036	O Wiregrass	035	O Wiregrass			
044	054	open water				open water		open water			
045	052	open water				open water		open water			
046	048	open water				open water		open water			
047	046	open water				open water		open water			
048	044	open water				open water		open water			
049	042	open water			037	natural levee	037	O Wiregrass			
050	038	O Wiregrass			038	O Wiregrass	038	O Wiregrass			
051	036	O Wiregrass				open water		open water			
052	034	open water				open water		open water			
053	032	open water				open water		open water			
054	028	open water				open water		open water			
055	026	open water				open water		open water			
056	024	open water				open water		open water			
057	022	open water				open water		open water			
058	018	M Mix			039	M Mix	039	M Mix			
059	016	M Mix			040	O Wiregrass	040	M Mix			
060	014	open water				open water		open water			
061	012	M Mix				open water		open water			
062	008	M Mix			041	M Mix	041	M Mix			
063	006	M Mix			042	M Mix	042	M Mix			

### Transect 23

1968			1978			1984			1992		
new station number	station number	vegetation type									
010			002	F Spikerush							
011	146	F Maidencane	004	F Spikerush	001	open water	001	F Spikerush			
012	144	open water	006	F Spikerush	002	F Spikerush	002	F Spikerush			
013	142	open water	008	F Spikerush	003	F Spikerush	003	F Spikerush			
014	138	open water	010	open water	004	spoilbank	004	F Spikerush			
015	136	open water	012	open water	005	open water	005	open water			
016	134	open water	014	open water	006	open water	006	open water			
017	132	F Maidencane	016	F Spikerush	007	F Spikerush	007	open water			
018	128	F Maidencane	018	spoilbank	008	open water	008	F Spikerush			
019	126	F Maidencane	020	F Spikerush	009	trees or shrubs	009	F Spikerush			
020	124	F Maidencane	022	open water	010	open water	010	open water			
021	122	F Maidencane	024	F Spikerush	011	open water	011	open water			
022	118	F Maidencane	026	open water	012	F Spikerush	012	open water			
023	116	F Maidencane	028	natural levee	013	F Spikerush	013	F Spikerush			
024	114	F Maidencane	030	F Maidencane	014	F Maidencane	014	F Maidencane			
025	112	F Bulltongue	032	F Bulltongue	015	F Spikerush	015	F Spikerush			
026	108	F Maidencane	034	F Spikerush	016	trees or shrubs	016	F Spikerush			
027	106	F Maidencane	036	F Spikerush	017	F Spikerush	017	F Spikerush			
028	104	open water	038	open water	018	F Spikerush	018	F Maidencane			
029	102	F Maidencane	040	F Spikerush	019	F Spikerush	019	F Spikerush			
030	098	F Maidencane	042	F Spikerush	020	F Spikerush	020	F Spikerush			
031	096	F Maidencane	044	open water	021	F Spikerush	021	F Bulltongue			
032	094	F Maidencane	046	open water	022	spoilbank	022	open water			
033	092	F Maidencane	048	spoilbank	023	spoilbank	023	F Spikerush			
034	088	O Wiregrass	050	F Maidencane	024	F Spikerush	024	F Spikerush			
035	086	O Wiregrass	052	F Spikerush	025	missing	025	F Spikerush			
036	084	O Wiregrass	054	F Spikerush	026	F Spikerush	026	F Spikerush			
037	082	O Wiregrass	056	F Spikerush	027	F Spikerush	027	F Spikerush			
038	078	O Wiregrass	058	F Spikerush	028	F Spikerush	028	O Wiregrass			
039	076	O Wiregrass	060	F Spikerush	029	F Spikerush	029	O Wiregrass			
040	074	O Wiregrass	062	O Wiregrass	030	O Wiregrass	030	O Wiregrass			
041	072	O Wiregrass	064	O Wiregrass	031	O Wiregrass	031	O Wiregrass			
042	068	open water	066	O Wiregrass	032	F Spikerush	032	O Wiregrass			

### Transect 23 (continued)

1968			1978			1984			1992		
new station number	station number	vegetation type									
043	066	open water			033	open water	033	O Wiregrass			
044	064	open water			034	O Wiregrass	034	O Wiregrass			
045	062	open water			035	O Wiregrass	035	O Wiregrass			
046	058	open water				open water			open water		
047	056	open water				open water			open water		
048	054	open water				open water			open water		
049	052	O Wiregrass			036	O Wiregrass	036	O Wiregrass			
050	048	M Mix			037	missing	037	O Wiregrass			
051	046	spoilbank			038	O Wiregrass	038	open water			
052	044	open water			039	O Wiregrass	039	O Wiregrass			
053	042	open water			040	M Mix	040	O Wiregrass			
054	038	M Mix			041	M Mix	041	M Mix			
055	036	M Mix			042	M Mix	042	M Mix			
056	034	M Mix			043	M Mix	043	M Mix			
057	032	natural levee			044	O Wiregrass	044	M Mix			
058	028	M Mix			045	M Mix	045	open water			

#### Transect 24

B-4

B-2

1968			1978			1984			1992		
new station number	station number	vegetation type									
011			001	F Spikerush	001	trees or shrubs	002	trees or shrubs	002	trees or shrubs	
012	195	trees or shrubs	001	F Spikerush	002	F Spikerush	003	F Spikerush	003	F Spikerush	
013	193	F Maidencane	003	trees or shrubs	003	F Spikerush	004	F Spikerush	004	F Spikerush	
014	191	F Maidencane	005	open water	004	open water	005	open water	005	F Spikerush	
015	187	F Spikerush	007	F Maidencane	005	F Maidencane	006	F Maidencane	006	open water	
016	185	F Maidencane	009	F Maidencane	006	F Maidencane	007	F Maidencane	007	open water	
017	183	open water	011	open water	007	F Maidencane	008	F Maidencane	008	open water	
018	181	F Maidencane	013	F Spikerush	008	F Maidencane	009	F Maidencane	009	F Spikerush	
019	177	F Maidencane	015	open water	009	open water	010	F Spikerush	010	F Spikerush	
020	175	F Maidencane	017	F Maidencane	010	open water	011	open water	011	open water	
021	173	F Maidencane	019	F Maidencane	011	F Spikerush	012	F Spikerush	012	F Spikerush	
022	171	open water	021	F Maidencane	012	F Maidencane	013	F Maidencane	013	F Maidencane	
023	167	F Maidencane	023	F Maidencane	013	F Maidencane	014	F Maidencane	014	F Maidencane	
024	165	F Maidencane	025	F Maidencane	014	F Maidencane	015	F Maidencane	015	F Maidencane	
025	163	F Maidencane	027	F Maidencane	015	F Maidencane	016	F Maidencane	016	F Maidencane	
026	161	F Spikerush	029	F Maidencane	016	F Maidencane	017	F Maidencane	017	F Maidencane	
027	157	F Maidencane	031	F Maidencane	017	F Maidencane	018	F Maidencane	018	F Maidencane	
028	155	F Maidencane	033	F Maidencane	018	F Maidencane	019	F Maidencane	019	F Maidencane	
029	153	F Maidencane	035	F Maidencane	019	F Maidencane	020	F Maidencane	020	F Maidencane	
030	151	F Maidencane	037	F Maidencane	020	F Maidencane	021	F Maidencane	021	F Maidencane	
031	147	F Maidencane	039	F Maidencane	021	F Maidencane	022	F Spikerush	022	F Spikerush	
032	145	F Maidencane	041	F Maidencane	022	F Maidencane	023	F Spikerush	023	F Spikerush	
033	143	open water	043	open water		open water		open water		open water	
034	141	open water	045	open water		open water		open water		open water	
035	137	F Maidencane	047	F Spikerush	023	F Spikerush		open water		open water	
036	135	open water	049	open water	024	F Bulltongue	024	F Bulltongue	024	F Bulltongue	
037	133	F Maidencane	051	open water	025	trees or shrubs	025	F Bulltongue	025	F Bulltongue	
038	131	F Bulltongue	053	natural levee	026	F Bulltongue	026	O Wiregrass	026	O Wiregrass	
039	127	O Wiregrass	055	O Wiregrass	027	O Wiregrass	027	O Wiregrass	027	O Wiregrass	
040	125	O Wiregrass			028	O Wiregrass	028	O Wiregrass	028	O Wiregrass	
041	123	O Wiregrass			029	spoilbank	029	spoilbank	029	spoilbank	
042	121	O Wiregrass			030	open water	030	open water	030	open water	
043	117	spoilbank			031	O Wiregrass	031	O Wiregrass	031	open water	

**Transect 24 (continued)**

1968			1978			1984			1992		
new station number	station number	vegetation type									
044	115	O Wiregrass				open water			open water		
045	113	open water			032	O Wiregrass	032	open water			
046	111	open water			033	O Wiregrass	033	open water			
047	107	open water			034	O Wiregrass	034	O Wiregrass			
048	105	M Mix			035	M Mix	035	O Wiregrass			
049	103	M Mix			036	M Mix	036	M Mix			
050	101	M Mix			037	M Mix					
051	097	M Mix									
052	095	M Mix									
053	093	M Mix									
054	091	M Mix									

**Appendix C**

**Species Composition and Abundance**

**for Each Vegetation Type in 1968**

**Vegetation Type**  
**Polyhaline Mangrove**

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance <sup>2</sup>	Percent Stations	Abundance	Percent Stations	Abundance
<i>Spartina alterniflora</i>	91	2.2	33	2.0	97	2.2
<i>Avicennia germinans</i>	82	1.5	100	2.0	80	1.4
<i>Batis maritima</i>	76	2.0	67	2.5	77	2.0
<i>Iva frutescens</i>	39	1.2	67	1.0	43	1.3
<i>Borrichia frutescens</i>	30	1.0	33	1.0	30	1.0
<i>Distichlis spicata</i>	27	1.3	33	1.0	27	1.4
<i>Salicornia virginica</i>	27	1.2	67	2.0	23	1.0
<i>Baccharis halimifolia</i>	15	1.0			17	1.0
<i>Spartina patens</i>	12	1.3			13	1.3
<i>Chenopodium album</i>	6	1.0			7	1.0
<i>Juncus roemerianus</i>	3	1.0			3	1.0
<i>Suaeda maritima</i>	3	1.0			3	1.0
<i>Phloxeris vermicularis</i>	3	1.0			3	1.0
<i>Sesuvium portulacastrum</i>	3	1.0			3	1.0
Average number of species per station	4.3			4.0		4.3

<sup>2</sup> Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant, 1 = rare

**Vegetation Type**  
**Polyhaline Oystergrass**

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance <sup>3</sup>	Percent Stations	Abundance	Percent Stations	Abundance
<i>Spartina alterniflora</i>	98	2.9	99	2.8	98	2.9
<i>Juncus roemerianus</i>	69	1.7	65	2.1	71	1.5
<i>Distichlis spicata</i>	38	1.3	26	1.2	44	1.4
<i>Spartina patens</i>	14	1.1	3	1.5	21	1.1
<i>Iva frutescens</i>	9	1.0	15	1.0	6	1.0
<i>Salicornia virginica</i>	8	1.1	1	1.0	11	1.1
<i>Avicennia germinans</i>	7	1.0	16	1.0	2	1.0
<i>Baccharis halimifolia</i>	5	1.0	9	1.0	2	1.0
<i>Batis maritima</i>	4	1.1	6	1.0	3	1.3
<i>Borrichia frutescens</i>	4	1.0	3	1.0	4	1.0
<i>Scirpus robustus</i>	3	1.8	9	1.8		
<i>Pluchea</i> spp	3	1.0	1	1.0	3	1.0
<i>Phragmites australis</i>	1	1.0	3	1.0		
<i>Spartina cynosuroides</i>	1	1.0	3	1.0		
<i>Sesbania</i> spp	1	1.0	1	1.0	1	
<i>Chenopodium album</i>	1	1.0	1	1.0		
<i>Sagittaria lancifolia</i>	1	1.0	1	1.0		
<i>Scirpus americanus</i>	1	2.0	1	2.0		
<i>Vigna luteola</i>	1	1.0	1	1.0		
<i>Agalinis maritima</i>	1	1.0	1	1.0		
<i>Amaranthus australis</i>	1	1.0	1	1.0		
<i>Aster</i> spp	1	2.0	1	2.0		
<i>Fimbristylis castanea</i>	1	1.0	1	1.0		
<i>Heliotropium curassavicum</i>	1	1.0	1	1.0		
<i>Lythrum lineare</i>	1	1.0	1	1.0		
<i>Suaeda maritima</i>	1	2.0	1	2.0		
Average number of species per station		2.7		2.8		2.7

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<sup>3</sup> Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant,  
1 = rare

**Vegetation Type**  
**Mesohaline Mix**

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance <sup>4</sup>	Percent Stations	Abundance	Percent Stations	Abundance
<i>Spartina alterniflora</i>	95	2.3	99	2.8	87	1.8
<i>Distichlis spicata</i>	91	1.9	89	1.2	95	2.3
<i>Spartina patens</i>	86	1.7	85	1.5	87	2.2
<i>Juncus roemerianus</i>	42	1.4	49	2.1	29	1.0
<i>Iva frutescens</i>	12	1.1	17	1.1	5	1.0
<i>Baccharis halimifolia</i>	8	1.0	10	1.0	5	1.0
<i>Batis maritima</i>	8	1.2	8	1.2	7	1.3
<i>Salicornia virginica</i>	5	1.3	3	1.0	10	1.5
<i>Borrichia frutescens</i>	4	1.3	4	1.0	3	2.0
<i>Amaranthus australis</i>	4	1.0	3	1.0	5	1.0
<i>Aster</i> spp	4	1.0	3	1.0	5	1.0
<i>Spartina cynosuroides</i>	4	1.0	1	1.0	10	1.0
<i>Scirpus robustus</i>	4	1.5			10	1.5
<i>Eupatorium capillifolium</i>	3	1.0	3	1.0	2	1.0
<i>Agalinis maritima</i>	3	1.0			7	1.0
<i>Fimbristylis castanea</i>	3	1.0			7	1.0
<i>Pluchea</i> spp	2	1.0	3	1.0		
<i>Sesbania</i> spp	2	1.0	1	1.0	5	1.0
<i>Cyperus</i> spp	2	1.0	1	1.0	2	1.0
<i>Setaria geniculata</i>	2	1.0			5	1.0
<i>Echinochloa walteri</i>	1	1.0	1	1.0		
<i>Eleocharis</i> spp	1	1.0	1	1.0		
<i>Ipomoea sagittata</i>	1	1.0	1	1.0		
<i>Myrica cerifera</i>	1	1.0	1	1.0		
<i>Polygonum punctatum</i>	1	1.0	1	1.0		
<i>Scirpus americanus</i>	1	1.0	1	1.0		
<i>Typha</i> spp	1	1.0	1	1.0		
<i>Cuscuta indecora</i>	1	1.0			3	1.0
<i>Setaria magna</i>	1				2	1.0
<i>Vigna luteola</i>	1	1.0			1	1.0
Average number of species per station		4.0	4.0		4.0	

<sup>4</sup> Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant, 1 = rare

**Vegetation Type**  
**Mesohaline Wiregrass**

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance <sup>5</sup>	Percent Stations	Abundance	Percent Stations	Abundance
<i>Spartina patens</i>	100	2.4	100	2.3	100	2.7
<i>Distichlis spicata</i>	77	1.9	79	2.1	74	1.7
<i>Juncus roemerianus</i>	36	1.2	39	1.1	32	1.3
<i>Spartina alterniflora</i>	35	1.3	38	1.4	30	1.1
<i>Iva frutescens</i>	26	1.1	27	1.1	24	1.1
<i>Scirpus americanus</i>	23	1.1	18	1.3	34	1.0
<i>Pluchea</i> spp	15	1.0	19	1.1	8	1.0
<i>Eleocharis parvula</i>	14	1.3	20	1.3	2	1.0
<i>Baccharis halimifolia</i>	13	1.0	8	1.0	22	1.0
<i>Eleocharis</i> spp	11	1.3	8	1.1	18	1.3
<i>Lythrum lineare</i>	11	1.0	7	1.0	20	1.0
<i>Scirpus robustus</i>	10	1.0	6	1.0	18	1.0
<i>Cyperus</i> spp	9	1.1	4	1.0	18	1.1
<i>Spartina cynosuroides</i>	8	1.5	6	1.0	12	1.8
<i>Ipomoea sagittata</i>	8	1.1	6	1.2	12	1.0
<i>Fimbristylis castanea</i>	6	1.1			16	1.1
<i>Setaria magna</i>	6	1.0	8	1.0	4	1.0
<i>Amaranthus australis</i>	6	1.0	6	1.0	8	1.0
<i>Vigna luteola</i>	4	1.2	3	1.3	4	1.0
<i>Aster</i> spp	4	1.0	6	1.0		
<i>Kosteletzky virginica</i>	4	1.0	2	1.0	6	1.0
<i>Batis maritima</i>	3	1.0	4	1.0		
<i>Sesbania</i> spp	3	1.0	1	1.0	6	1.0
<i>Setaria geniculata</i>	3	1.0	1	1.0	6	1.0
<i>Bacopa monnieri</i>	2	1.0	3	1.0		
<i>Agalinis maritima</i>	2	1.0	2	1.0	2	1.0
<i>Borrachia frutescens</i>	2	1.0	2	1.0	2	1.0
<i>Cuscuta indecora</i>	1	1.0	2	1.0		
<i>Paspalum vaginatum</i>	1	1.0	2	1.0		
<i>Ammannia coccinea</i>	1	1.0	1	1.0		
<i>Hibiscus</i> spp	1	1.0	1	1.0	2	1.0
<i>Phytolacca americana</i>	1	1.0	1	1.0		
<i>Solidago sempervirens</i>	1	1.0	1	1.0		
<i>Eupatorium capillifolium</i>	1	1.0			2	1.0
<i>Euphorbia</i> spp	1	1.0			2	1.0
<i>Salicornia virginica</i>	1	1.0			2	1.0
<i>Typha</i> spp	1	1.0			2	1.0
Average number of species per station		4.6		4.3		5.1

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<sup>5</sup>Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant,  
 1 = rare

**Vegetation Type**  
**Oligohaline Wiregrass**

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance <sup>6</sup>	Percent Stations	Abundance	Percent Stations	Abundance
<i>Spartina patens</i>	85	2.3	75	2.0	90	2.4
<i>Eleocharis</i> spp	55	1.4	88	1.2	40	1.7
<i>Cyperus</i> spp	52	1.3	69	1.5	44	1.2
<i>Scirpus americanus</i>	45	2.0	25	2.0	54	1.9
<i>Pluchea</i> spp	43	1.3	78	2.7	27	1.0
<i>Vigna luteola</i>	41	1.7	22	1.0	50	1.8
<i>Bacopa monnieri</i>	40	1.4	75	1.5	24	1.3
<i>Sesbania</i> spp	33	1.1	6	1.0	46	1.1
<i>Ipomoea sagittata</i>	30	1.0	13	1.0	39	1.0
<i>Echinochloa</i> spp	19	1.2	28	1.3	14	1.0
<i>Typha</i> spp	19	1.2	6	1.0	24	1.2
<i>Baccharis halimifolia</i>	19	1.1	16	1.0	20	1.1
<i>Sagittaria lancifolia</i>	17	1.5	3	1.0	23	1.5
<i>Phragmites australis</i>	16	1.2			23	1.2
<i>Kosteletzky virginica</i>	16	1.1	9	1.0	19	1.2
<i>Setaria magna</i>	14	1.0	16	1.0	13	1.0
<i>Eleocharis parvula</i>	13	1.4	31	1.4	4	1.3
<i>Hibiscus</i> spp	12	1.0	9	1.0	13	1.0
<i>Iva frutescens</i>	12	1.0	3	1.0	16	1.0
<i>Lythrum lineare</i>	11	1.1	9	1.0	11	1.1
<i>Setaria geniculata</i>	10	1.0	9	1.0	10	1.0
<i>Spartina cynosuroides</i>	9	1.0			13	1.0
<i>Eupatorium capillifolium</i>	8	1.0	1	1.0	10	1.0
<i>Scirpus californicus/validus</i>	7	1.1	6	1.5	7	1.0
<i>Juncus roemerianus</i>	7	1.1	3	1.0	9	1.2
<i>Aster</i> spp	7	1.0	6	1.0	7	1.0
<i>Cladium jamaicense</i>	7	1.0			10	1.0
<i>Myrica cerifera</i>	7	1.0			10	1.0
<i>Panicum</i> spp	6	1.3	3	3.0	7	1.2
<i>Amaranthus australis</i>	6	1.0	6	1.0	6	1.0
<i>Distichlis spicata</i>	6	1.0	6	1.0	6	1.0
<i>Leptochloa fascicularis</i>	5	1.6	16	1.6		
<i>Paspalum vaginatum</i>	5	1.3			7	1.0
<i>Hydrocotyle</i> spp	5	1.0			7	1.0
Ferns	4	1.3			6	1.3
<i>Ludwigia</i> spp	4	1.0	3	1.0	4	1.0
<i>Polygonum punctatum</i>	3	1.0	3	1.0	3	1.0
<i>Agalinis maritima</i>	3	1.0			4	1.0
<i>Fimbristylis castanea</i>	3	1.0			4	1.0
<i>Solidago sempervirens</i>	2	1.5	6	1.5		
<i>Panicum hemitomon</i>	2	1.5			3	1.5
<i>Eupatorium</i> spp	2	1.0			3	1.0

<sup>6</sup> Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant, 1 = rare

### Oligohaline Wiregrass (continued)

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance	Percent Stations	Abundance	Percent Stations	Abundance
<i>Phloxeris vermicularis</i>	2	1.0	6	1.0		
<i>Euphorbia</i> spp	2	1.0	3	1.0	1	1.0
<i>Cuscuta indecora</i>	2	1.0			3	1.0
<i>Cephalanthus occidentalis</i>	1	2.0			1	2.0
<i>Aeschynomene indica</i>	1	1.0	3	1.0		
<i>Bidens laevis</i>	1	1.0	3	1.0		
<i>Decodon verticillatus</i>	1	1.0	3	1.0		
<i>Verbena</i> spp	1	1.0	3	1.0		
<i>Alternanthera philoxeroides</i>	1	1.0			1	1.0
<i>Dichromena colorata</i>	1	1.0			1	1.0
<i>Myriophyllum aquaticum</i>	1	1.0			2	1.0
<i>Phytolacca americana</i>	1	1.0			2	1.0
<i>Zizaniopsis miliacea</i>	1	1.0			1	1.0
Average number of species per station		7.6		6.8		7.9

**Vegetation Type**  
**Oligohaline Mix**

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance <sup>7</sup>	Percent Stations	Abundance	Percent Stations	Abundance
<i>Sagittaria lancifolia</i>	79	2.0	98	2.1	48	1.5
<i>Cyperus spp</i>	70	1.4	70	1.3	70	1.4
<i>Echinochloa spp</i>	66	1.6	61	1.6	74	1.6
<i>Bacopa monnieri</i>	63	1.4	57	1.4	74	1.5
<i>Eleocharis spp</i>	52	1.7	57	1.8	44	1.5
<i>Pluchea spp</i>	52	1.5	34	1.2	81	1.7
<i>Typha spp</i>	37	1.3	52	1.3	11	1.0
<i>Setaria magna</i>	25	1.0	18	1.0	37	1.0
<i>Lythrum lineare</i>	24	1.4	20	1.4	30	1.3
<i>Polygonum punctatum</i>	21	1.5	27	1.6	11	1.0
<i>Panicum hemitomon</i>	21	1.5	25	1.6	15	1.5
<i>Vigna luteola</i>	21	1.3	30	1.3	7	1.0
<i>Spartina patens</i>	18	1.8	7	1.3	37	1.9
<i>Leptochloa fascicularis</i>	17	2.1	2	1.0	41	2.2
<i>Scirpus americanus</i>	17	1.7	23	1.8	7	1.0
<i>Sesbania spp</i>	17	1.0	18	1.0	15	1.0
<i>Phyla lanceolata/nodiflora</i>	15	1.1	18	1.0	11	1.3
<i>Kosteletzky virginica</i>	15	1.0	20	1.0	7	1.0
<i>Baccharis halimifolia</i>	14	1.1	11	1.0	19	1.2
<i>Amaranthus australis</i>	13	1.1	9	1.0	26	1.1
<i>Hydrocotyle spp</i>	13	1.0	18	1.1	4	1.0
<i>Alternanthera philoxeroides</i>	11	2.0	11	1.5	11	3.0
<i>Aster spp</i>	10	1.3	9	1.3	11	1.3
<i>Eleocharis parvula</i>	10	1.1	7	1.0	15	1.3
<i>Eupatorium capillifolium</i>	10	1.1	5	1.0	19	1.2
<i>Hibiscus spp</i>	10	1.0	14	1.0	4	1.0
<i>Setaria geniculata</i>	8	1.3	5	1.0	15	1.5
<i>Ipomoea sagittata</i>	8	1.0	9	1.0	7	1.0
<i>Scirpus californicus/validus</i>	6	1.3	7	1.0	4	2.0
<i>Decodon verticillatus</i>	6	1.0	5	1.0	7	1.0
<i>Paspalum vaginatum</i>	4	1.3			11	1.3
<i>Aeschynomene indica</i>	4	1.0	7	1.0		
<i>Myrica cerifera</i>	4	1.0	7	1.0		
<i>Iva frutescens</i>	4	1.0	2	1.0	7	1.0
<i>Distichlis spicata</i>	4	1.0			11	1.0
<i>Agalinis maritima</i>	3	2.0			7	2.0
<i>Cladium jamaicense</i>	3	1.5			7	1.5
<i>Ammania coccinea</i>	3	1.0	5	1.0		
<i>Triglochin striata</i>	1	2.0			4	2.0
<i>Andropogon glomeratus</i>	1	1.0	2	1.0		
<i>Dichromena colorata</i>	1	1.0	2	1.0		
<i>Euphorbia spp</i>	1	1.0	2	1.0		

<sup>7</sup> Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant,  
1 = rare

### Oligohaline Mix (continued)

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance	Percent Stations	Abundance	Percent Stations	Abundance
<i>Ludwigia spp</i>	1	1.0	2	1.0		
<i>Phytolacca americana</i>	1	1.0	2	1.0		
<i>Verbena spp</i>	1	1.0	2	1.0		
<i>Zizaniopsis miliacea</i>	1	1.0	2	1.0		
<i>Fimbristylis castanea</i>	1	1.0			4	1.0
<i>Solidago sempervirens</i>	1	1.0			4	1.0
<i>Spartina cynosuroides</i>	1	1.0			4	1.0
Average number of species per station	8.0		7.8		8.3	

**Vegetation Type**  
**Fresh Bulltongue**

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance <sup>8</sup>	Percent Stations	Abundance	Percent Stations	Abundance
<i>Sagittaria lancifolia</i>	93	2.1	98	2.1	89	2.1
<i>Panicum hemitomon</i>	71	2.4	65	2.6	78	2.3
<i>Typha</i> spp	62	1.4	50	1.5	74	
<i>Eleocharis</i> spp	57	2.0	55	1.9	59	2.1
<i>Myrica cerifera</i>	57	1.2	50	1.2	64	1.2
<i>Ferns</i>	31	1.4	13	1.5	50	1.4
<i>Hydrocotyle</i> spp	31	1.2	25	1.1	40	1.2
<i>Phragmites australis</i>	21	1.1	18	1.1	24	1.1
<i>Zizaniopsis miliacea</i>	19	1.1	32	1.2	7	1.0
<i>Cyperus</i> spp	18	1.2	13	1.1	22	1.3
<i>Echinochloa</i> spp	14	1.1	7	1.3	22	1.0
<i>Kosteletzkyia virginica</i>	14	1.1	3	1.0	24	1.1
<i>Cephalanthus occidentalis</i>	13	1.1	18	1.2	7	1.0
<i>Baccharis halimifolia</i>	13	1.0	12	1.0	14	1.0
<i>Scirpus californicus/validus</i>	12	1.0	18	1.0	5	1.0
<i>Polygonum punctatum</i>	11	1.5	12	1.6	10	1.3
<i>Alternanthera philoxeroides</i>	10	2.2	20	2.2		
<i>Vigna luteola</i>	10	2.1	12	2.5	9	2.0
<i>Cladium jamaicense</i>	9	1.1	7	1.0	12	1.1
<i>Ludwigia</i> spp	8	1.4	2	3.0	16	1.2
<i>Eupatorium capillifolium</i>	8	1.0	3	1.0	14	1.0
<i>Setaria magna</i>	8	1.0	3	1.0	12	1.0
<i>Bacopa monnieri</i>	8	1.0	2	1.0	14	1.0
<i>Pluchea</i> spp	7	1.5			14	1.5
<i>Sagittaria latifolia</i>	7	1.4	13	1.4		
<i>Decodon verticillatus</i>	7	1.3	7	1.0	7	1.5
<i>Euphorbia</i> spp	7	1.1	2	2.0	12	1.0
<i>Sesbania</i> spp	7	1.0	10	1.0	3	1.0
<i>Ipomoea sagittata</i>	7	1.0			14	1.0
<i>Hibiscus</i> spp	6	1.1	3	1.5	9	1.3
<i>Panicum</i> spp	6	1.0	2	1.0	10	1.0
<i>Amaranthus australis</i>	4	1.0	3	1.0	5	1.0
<i>Saururus cernuus</i>	3	1.8	3	1.5	3	2.0
<i>Aster</i> spp	3	1.5			7	1.5
<i>Spartina patens</i>	3	1.5			7	1.5
<i>Phyla lanceolata/nodiflora</i>	3	1.3			7	1.3
<i>Setaria geniculata</i>	3	1.0	3	1.0	3	1.0
<i>Triadenum virginicum</i>	3	1.0	3	1.0	3	1.0
<i>Solidago sempervirens</i>	3	1.0	2	1.0	3	1.0
<i>Eleocharis parvula</i>	3	1.0			7	1.0
<i>Scirpus americanus</i>	3	1.0			5	1.0

<sup>8</sup> Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant, 1 = rare

### Fresh Bulltongue (continued)

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance	Percent Stations	Abundance	Percent Stations	Abundance
<i>Eupatorium</i> spp	2	1.0			3	1.0
<i>Erianthus giganteus</i>	2	1.0	3	1.0		
<i>Dichromena colorata</i>	2	1.0	2	1.0	2	1.0
<i>Iva frutescens</i>	2	1.0	2	1.0	2	1.0
<i>Juncus</i> spp	2	1.0			3	1.0
<i>Lobelia cardinalis</i>	2	1.0			3	1.0
<i>Lythrum lineare</i>	2	1.0			3	1.0
<i>Andropogon glomeratus</i>	1	1.0			2	1.0
<i>Colocasia antiquorum</i>	1	1.0			2	1.0
<i>Distichlis spicata</i>	1	1.0			2	1.0
<i>Spartina cynosuroides</i>	1	1.0			2	1.0
Average number of species per station	7.0		6.0		8.1	

**Vegetation Type**  
**Fresh Maidencane**

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance <sup>9</sup>	Percent Stations	Abundance	Percent Stations	Abundance
<i>Panicum hemitomon</i>	88	2.7	92	2.9	87	2.7
<i>Eleocharis</i> spp	65	1.7	42	1.3	75	1.8
<i>Hydrocotyle</i> spp	62	1.3	33	1.1	74	1.3
<i>Typha</i> spp	39	1.4	4	1.0	55	1.4
<i>Cephalanthus occidentalis</i>	38	1.0	23	1.1	44	1.0
<i>Cyperus</i> spp	31	1.2	13	1.0	40	1.3
<i>Decodon verticillatus</i>	27	1.5	75	1.4	6	2.0
<i>Ludwigia</i> spp	25	1.3	13	1.0	30	1.3
<i>Sagittaria lancifolia</i>	24	1.4	25	1.3	23	1.4
<i>Zizaniopsis miliacea</i>	21	1.0	29	1.0	17	1.0
<i>Pluchea</i> spp	17	1.1	13	1.0	19	1.2
<i>Myrica cerifera</i>	15	1.1	13	1.0	17	1.2
<i>Eupatorium capillifolium</i>	13	1.1	4	1.0	18	1.2
<i>Phragmites australis</i>	12	1.1	6	1.3	15	1.1
<i>Echinochloa</i> spp	8	1.5			12	1.5
<i>Dichromena colorata</i>	7	1.2			10	1.2
<i>Eleocharis parvula</i>	6	1.4	13	1.2	4	1.8
Ferns	6	1.2	15	1.3	3	1.0
<i>Scirpus californicus/validus</i>	6	1.1	6	1.0	6	1.2
<i>Solidago sempervirens</i>	5	1.4	4	1.0	6	1.5
<i>Limnobium spongia</i>	5	1.0	17	1.0		
<i>Triadenum virginicum</i>	5	1.0	2	1.0	6	1.0
<i>Bidens laevis</i>	4	1.0	4	1.0	4	1.0
<i>Euphorbia</i> spp	4	1.0	4	1.0	4	1.0
<i>Hibiscus</i> spp	4	1.0	2	1.0	6	1.0
<i>Alternanthera philoxeroides</i>	3	2.0			4	2.0
<i>Setaria magna</i>	3	1.5	2	1.0	3	1.7
<i>Vigna luteola</i>	3	1.3	8	1.3		
<i>Polygonum punctatum</i>	3	1.0			5	1.0
<i>Bacopa monnieri</i>	2	2.0			3	2.0
<i>Colocasia antiquorum</i>	2	1.7			3	1.7
<i>Paspalum vaginatum</i>	2	1.3			3	1.3
<i>Ipomoea sagittata</i>	2	1.0			3	1.0
<i>Aeschynomene indica</i>	1	2.0			2	2.0
<i>Amaranthus australis</i>	1	2.0			1	2.0
<i>Setaria geniculata</i>	1	2.0			1	2.0
<i>Sagittaria latifolia</i>	1	1.5	2	1.0	1	2.0
<i>Leptochloa fascicularis</i>	1	1.5			2	1.5
<i>Baccharis halimifolia</i>	1	1.0	2	1.0	1	1.0
<i>Saururus cernuus</i>	1	1.0	2	1.0	1	1.0
<i>Pontederia cordata</i>	1	1.0	2	1.0		
<i>Rhynchospera</i> spp	1	1.0	2	1.0		

<sup>9</sup> Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant,  
1 = rare

### Fresh Maidencane (continued)

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	Abundance	Percent Stations	Abundance	Percent Stations	Abundance
<i>Habenaria repens</i>	1	1.0			2	1.0
<i>Juncus</i> spp	1	1.0			2	1.0
<i>Panicum</i> spp	1	1.0			2	1.0
<i>Spartina patens</i>	1	1.0			2	1.0
<i>Boehmeria cylindrica</i>	1	1.0			1	1.0
<i>Centella asiatica</i>	1	1.0			1	1.0
<i>Eupatorium</i> spp	1	1.0			1	1.0
<i>Iris</i> spp	1	1.0			1	1.0
<i>Ranunculus</i> spp	1	1.0			1	1.0
<i>Scirpus americanus</i>	1	1.0			1	1.0
<i>Sesbania</i> spp	1	1.0			1	1.0
<i>Sonchus</i> spp	1	1.0			1	1.0
<i>Xyris</i> spp	1	1.0			1	1.0
Average number of species per station	5.8		4.7		6.3	

**Vegetation Type**  
**Fresh Cutgrass**

Species	Both Basins		Barataria Basin		Terrebonne Basin	
	Percent Stations	<sup>10</sup> Abundance	Percent Stations	Abundance	Percent Stations	Abundance
<i>Zizaniopsis miliacea</i>	91	2.0	88	1.4	93	2.2
<i>Panicum hemitomon</i>	48	2.9	63	3.0	40	2.8
<i>Cephalanthus occidentalis</i>	40	1.1	100	1.1	7	1.0
<i>Sagittaria latifolia</i>	35	1.8			53	1.8
<i>Hydrocotyle</i> spp	35	1.4	50	1.0	27	1.8
<i>Sagittaria lancifolia</i>	22	1.6	25	1.0	20	2.0
<i>Myrica cerifera</i>	22	1.2			33	1.2
<i>Alternanthera philoxeroides</i>	17	2.3			27	2.3
<i>Typha</i> spp	17	1.3			27	1.3
<i>Scirpus californicus/validus</i>	13	2.0	38	2.0		
<i>Ludwigia</i> spp	13	1.0	25	1.0	7	1.0
<i>Echinochloa</i> spp	13	1.0			20	1.0
<i>Vigna luteola</i>	9	2.0			13	2.0
<i>Cyperus</i> spp	9	1.7	25	2.0		1.0
<i>Cladium jamaisance</i>	4	2.0			7	2.0
Ferns	4	2.0			7	2.0
<i>Scirpus americanus</i>	4	2.0			7	2.0
<i>Decodon verticillatus</i>	4	1.0	13	1.0		
<i>Colocasia antiquorum</i>	4	1.0			7	1.0
<i>Eupatorium capillifolium</i>	4	1.0			7	1.0
<i>Paspalum vaginatum</i>	4	1.0			7	1.0
<i>Pontedaria cordata</i>	4	1.0			7	1.0
<i>Sesbania</i> spp	4	1.0			7	1.0
Average number of species per station	4.3		4.3		4.3	

<sup>10</sup> Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant, 1 = rare

**Appendix D**  
**Species Composition and Abundance**  
**for Each Vegetation Type**  
**in Terrebonne Basin 1968–92**

**Vegetation Type**  
**Mesohaline Mix**

Species	Percent Stations	Abundance <sup>1</sup>
<i>Spartina patens</i>	85	2.2
<i>Distichlis spicata</i>	74	2.0
<i>Spartina alterniflora</i>	72	1.8
<i>Juncus roemerianus</i>	44	1.7
<i>Scirpus robustus</i>	21	1.4
<i>Lythrum lineare</i>	8	1.3
<i>Batis maritima</i>	5	1.5
<i>Amaranthus australis</i>	5	1.0
<i>Cyperus</i> spp	5	1.0
<i>Pluchea</i> spp	5	1.0
<i>Spartina cynosuroides</i>	5	1.0
<i>Scirpus americanus</i>	3	1.0
Average number of Species		3.2

<sup>1</sup>Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant, 1 = rare

**Vegetation Type**  
**Oligohaline Wiregrass**

Species	Percent Stations	Abundance <sup>1</sup>
<i>Spartina patens</i>	88	2.4
<i>Scirpus americanus</i>	80	1.8
<i>Vigna luteola</i>	54	1.7
<i>Eleocharis</i> spp	24	1.9
<i>Pluchea</i> spp	24	1.3
<i>Bacopa monnieri</i>	18	1.2
<i>Cyperus</i> spp	18	1.1
<i>Sesbania</i> spp	16	1.0
<i>Sagittaria lancifolia</i>	14	1.6
<i>Typha</i> spp	14	1.0
<i>Juncus roemerianus</i>	12	1.2
<i>Ipomoea sagittata</i>	11	1.0
<i>Hydrocotyle</i> spp	9	1.0
<i>Iva frutescens</i>	7	1.0
<i>Kosteletzkyia virginica</i>	7	1.0
<i>Lythrum lineare</i>	7	1.0
<i>Phragmites australis</i>	7	1.0
<i>Aster</i> spp	5	1.3
<i>Panicum</i> spp	4	1.7
<i>Distichlis spicata</i>	4	1.3
<i>Eleocharis parvula</i>	4	1.3
<i>Baccharis halimifolia</i>	4	1.0
<i>Echinochloa</i> spp	4	1.0
<i>Eupatorium capillifolium</i>	4	1.0
<i>Paspalum vaginatum</i>	4	1.0
<i>Polygonum punctatum</i>	3	1.5
<i>Amaranthus australis</i>	3	1.0
<i>Hibiscus</i> spp	3	1.0
<i>Setaria geniculata</i>	3	1.0
<i>Spartina alterniflora</i>	3	1.0
<i>Spartina cynosuroides</i>	3	1.0
<i>Panicum hemitomon</i>	1	2.0
<i>Aeschynomene indica</i>	1	1.0
<i>Ammania coccinea</i>	1	1.0
<i>Alternanthera philoxeroides</i>	1	1.0
<i>Andropogon glomeratus</i>	1	1.0
<i>Cladium jamaicense</i>	1	1.0
<i>Cuscuta indecora</i>	1	1.0
<i>Euphorbia</i> spp	1	1.0
<i>Myrica cerifera</i>	1	1.0
<i>Sacciolepis striata</i>	1	1.0
<i>Scirpus robustus</i>	1	1.0
<i>Solidago sempervirens</i>	1	1.0
Average number of Species		4.7

<sup>1</sup> Average abundance for the stations at which the species occurred. 3 = highly abundant,  
 2 = moderately abundant, 1 = rare

**Vegetation Type**  
**Fresh Bulltongue**

Species	Percent Stations	Abundance <sup>1</sup>
<i>Sagittaria lancifolia</i>	94	2.0
<i>Eleocharis</i> spp	66	2.1
<i>Typha</i> spp	47	1.3
<i>Ferns</i>	41	1.1
<i>Juncus</i> spp	22	1.7
<i>Spartina patens</i>	19	2.0
<i>Scirpus americanus</i>	19	1.2
<i>Ipomoea sagittata</i>	19	1.0
<i>Vigna luteola</i>	16	2.0
<i>Polygonum punctatum</i>	16	1.2
<i>Hydrocotyle</i> spp	16	1.0
<i>Cyperus</i> spp	13	1.5
<i>Panicum</i> spp	13	1.5
<i>Sacciolepis striata</i>	9	1.7
<i>Echinochloa</i> spp	9	1.3
<i>Phragmites australis</i>	9	1.3
<i>Baccharis halimifolia</i>	9	1.0
<i>Ludwigia</i> spp	9	1.0
<i>Sesbania</i> spp	9	1.0
<i>Setaria magna</i>	9	1.0
<i>Panicum hemitomon</i>	6	2.0
<i>Colocasia antiquorum</i>	6	1.5
<i>Amaranthus australis</i>	6	1.0
<i>Hibiscus</i> spp	6	1.0
<i>Phyla lanceolata/nodiflora</i>	6	1.0
<i>Spartina cynosuroides</i>	6	1.0
<i>Bidens laevis</i>	3	2.0
<i>Paspalum vaginatum</i>	3	2.0
<i>Saururus cernuus</i>	3	2.0
<i>Andropogon glomeratus</i>	3	1.0
<i>Aster</i> spp	3	1.0
<i>Cladium jamaicense</i>	3	1.0
<i>Eupatorium capillifolium</i>	3	1.0
<i>Iva frutescens</i>	3	1.0
<i>Kosteletzkyia virginica</i>	3	1.0
<i>Myrica cerifera</i>	3	1.0
<i>Pluchea</i> spp	3	1.0
<i>Sagittaria latifolia</i>	3	1.0
<i>Scirpus californicus/validus</i>	3	1.0
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Average number of Species		5.4

<sup>1</sup>Average abundance for the stations at which the species occurred. 3 = highly abundant, 2 = moderately abundant, 1 = rare

**Vegetation Type**  
**Fresh Maidencane**

Species	Percent Stations	Abundance <sup>1</sup>
<i>Panicum hemitomon</i>	94	2.8
<i>Eleocharis</i> spp	59	1.8
<i>Typha</i> spp	50	1.5
<i>Hydrocotyle</i> spp	39	1.2
<i>Sagittaria lancifolia</i>	27	1.5
<i>Ludwigia</i> spp	17	1.1
<i>Cephalanthus occidentalis</i>	14	1.0
<i>Cyperus</i> spp	13	1.0
<i>Phragmites australis</i>	12	1.4
<i>Ferns</i>	12	1.3
<i>Myrica cerifera</i>	12	1.1
<i>Eupatorium capillifolium</i>	9	1.0
<i>Zizaniopsis miliacea</i>	8	1.3
<i>Euphorbia</i> spp	7	1.0
<i>Kosteletzkyia virginica</i>	7	1.0
<i>Dichromena colorata</i>	6	1.3
<i>Echinochloa</i> spp	6	1.0
<i>Pluchea</i> spp	6	1.0
<i>Ipomoea sagittata</i>	5	1.0
<i>Polygonum punctatum</i>	4	1.5
<i>Hibiscus</i> spp	4	1.0
<i>Leersia oryzoides</i>	3	2.0
<i>Eleocharis parvula</i>	3	1.3
<i>Spartina patens</i>	3	1.3
<i>Solidago sempervirens</i>	3	1.0
<i>Sagittaria latifolia</i>	2	1.5
<i>Triadenum virginicum</i>	2	1.5
<i>Bacopa monnieri</i>	2	1.0
<i>Cladium jamaicense</i>	2	1.0
<i>Decodon verticillatus</i>	2	1.0
<i>Juncus</i> spp	2	1.0
<i>Pontederia cordata</i>	2	1.0
<i>Vigna luteola</i>	1	2.0
<i>Alternanthera philoxeroides</i>	1	1.0
<i>Andropogon glomeratus</i>	1	1.0
<i>Boehmeria cylindrica</i>	1	1.0
<i>Centella asiatica</i>	1	1.0
<i>Colocasia antiquorum</i>	1	1.0
<i>Distichlis spicata</i>	1	1.0
<i>Habenaria repens</i>	1	1.0
<i>Iva frutescens</i>	1	1.0
<i>Panicum</i> spp	1	1.0
<i>Sacciolepis striata</i>	1	1.0
<i>Saururus cernuus</i>	1	1.0
<i>Setaria magna</i>	1	1.0
<i>Sonchus</i> spp	1	1.0
<i>Xyris</i> spp	1	1.0
Average number of Species	4.5	

<sup>1</sup>Average abundance for the stations at which the species occurred. 3 = highly abundant,  
2 = moderately abundant, 1 = rare

**Vegetation Type**  
**Fresh Spikerush**

Species	Percent Stations	Abundance <sup>1</sup>
<i>Hydrocotyle</i> spp	85	2.0
<i>Eleocharis</i> spp	75	2.2
<i>Bidens laevis</i>	45	2.3
<i>Ludwigia</i> spp	24	1.7
<i>Aeschynomene indica</i>	24	1.5
<i>Typha</i> spp	14	1.4
<i>Cyperus</i> spp	14	1.1
<i>Panicum hemitomon</i>	12	2.5
<i>Sagittaria latifolia</i>	12	2.2
<i>Sagittaria lancifolia</i>	12	2.1
<i>Sacciolepis striata</i>	9	1.6
<i>Dichromena colorata</i>	7	1.6
<i>Scirpus americanus</i>	6	1.8
<i>Triadenum virginicum</i>	6	1.7
<i>Myrica cerifera</i>	6	1.5
<i>Colocasia antiquorum</i>	5	1.4
<i>Polygonum punctatum</i>	4	2.0
<i>Decodon verticillatus</i>	3	2.0
<i>Andropogon glomeratus</i>	3	1.3
<i>Bacopa monnieri</i>	3	1.3
<i>Leersia oryzoides</i>	3	1.0
<i>Ferns</i>	2	1.5
<i>Vigna luteola</i>	2	1.5
<i>Cephalanthus occidentalis</i>	2	1.0
<i>Echinochloa</i> spp	2	1.0
<i>Phyla lanceolata/nodiflora</i>	2	1.0
<i>Zizaniopsis miliacea</i>	2	1.0
<i>Alternanthera philoxeroides</i>	1	2.0
<i>Eleocharis parvula</i>	1	2.0
<i>Spartina patens</i>	1	2.0
<i>Eupatorium capillifolium</i>	1	1.0
<i>Hibiscus</i> spp	1	1.0
<i>Phragmites australis</i>	1	1.0
<i>Pluchea</i> spp	1	1.0
<i>Saururus cernuus</i>	1	1.0
<i>Sesbania</i> spp	1	1.0
<i>Xyris</i> spp	1	1.0
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Average number of Species		3.9

<sup>1</sup>Average abundance for the stations at which the species occurred. 3 = highly abundant,  
 2 = moderately abundant, 1 = rare

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<sup>2</sup> This station number can be used to find the approximate location of the station in Appendix A.

<sup>3</sup>F= Fresh, O=Oligohaline, M=Mesohaline, P=Polyhaline

Kerry St. Pé – Chair  
Marilyn Kilgen – Vice-Chair

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