

Marsh Inventory No.: 717 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1970

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Private owner

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** 29 31' 20" **Longitude (W):** 94 45' 55"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: S facing shore of Smith Point.

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

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174

Marsh Inventory No.: 714 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1973

Area Planted (1acre = 0.4047 ha): 0.405 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: U.S. FWS Anahuac National Wildlife Refuge; J. Webb; COE

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** 29 33' 45" **Longitude (W):** 94 29' 15"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: Anahuac Refuge, along the SE shore of the refuge just 0.25 mi W of mouth of Oyster Bayou

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- This was Webb's dissertation study area. Many of the plantings were washed out.

Marsh Inventory No.: 196 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1978

Area Planted (1acre = 0.4047 ha): 0.005 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: U.S. FWS Anahuac National Wildlife Refuge;
Boyscouts

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** 29 34' 05" **Longitude (W):** 94 32' 00"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: Anahuac Refuge, West Refuge Road until it hits the bay;
planting is on the bay side of the road.

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at
Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M
Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh:

**Was there an assessment made of animal utilization of the marsh? If so,
which animals were surveyed, and when?**

General comments about the marsh:

- Boyscouts did the transplanting.
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176

Marsh Inventory No.: 268 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1958

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Brown Foundation

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** 29 33' 25" **Longitude (W):** 94 36' 50"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: West windmill 1957-58; on N side of East Bay.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- 85% *S. alterniflora* shoot survival several years later; spread from 1,300 to 1,800 ft width. Hurricane Carla wiped out a good portion of it. Good development.

Marsh Inventory No.: 273 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1986

Area Planted (1acre = 0.4047 ha): hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: U.S. FWS Anahuac National Wildlife Refuge

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** 29 34' 05" **Longitude (W):** 94 32' 00"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: Just southeast of plot 7.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- 80% shoot survival 13 months later. Good success.
- Seidensticker's Plot#6

Marsh Inventory No.: 272 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1986

Area Planted (1acre = 0.4047 ha): 0.010 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: U.S. FWS Anahuac National Wildlife Refuge

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** 29 34' 05" **Longitude (W):** 94 32' 00"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: Anahuac Refuge, West Refuge Road until it hits the bay; planting is on the bay side of the road.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- 90% shoot survival 12 months later. Small area planted behind a rock pyramid wavebreak. Excellent (85-100%).
- Seidensticker's Plot#7

Marsh Inventory No.: 267 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1987

Area Planted (1acre = 0.4047 ha): 0.330 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Brown Foundation

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** 29 32' 30" **Longitude (W):** 94 40' 30"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: On the north shore of East Bay, even with the east end of Lake Surprise

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- 70% *S. alterniflora* shoot survival 5 yrs later; slight blight attack; moderate cattle grazing. Good (65-85%). 1,200 ft of plastic snow fence used as wave dampening device.
- Seidensticker's Plot#1

180

Marsh Inventory No.: 270 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1988

Area Planted (1 acre = 0.4047 ha): 0.324 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Brown Foundation

Location of the marsh,

State: TX **County:** Chambers **Latitude (N):** 29 33' 25" **Longitude (W):** 94 36' 50"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: West windmill on N side of East Bay; seawall addition in 1988 just to west of original planting.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- 85% *S. alterniflora* shoot survival 4 years later; spread and joined with the marsh that was planted in 1958. Good development.
- Seidensticker's Plot#2

Marsh Inventory No.: 271 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1989, 1990

Area Planted (1acre = 0.4047 ha): 0.600 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Brown Foundation

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** 29 34' 40" **Longitude (W):** 94 36' 40"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: Lake Robinson, southwest side along a levee.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- 80% shoot survival 2 years later, but cattle have severely damaged the planted area. Stand looks very healthy. Erosion is severe on levee bank where plants are not established. Established areas not spreading due to cattle grazing.

- Seidensticker's Plot#5

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Marsh Inventory No.: 633 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 08/01/92

Area Planted (1acre = 0.4047 ha): 0.029 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: Chambers-Liberty Nav. Dist.

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Galveston Bay; Trinity Bay

Directions to the site: On a dredged material deposition island along the west side of the Anahuac River Channel at marker 17.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* : Giant cutgrass (*Zinzaniopsis miliacea*)

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- This plot is in the area of Trinity Delta destroyed by nutria last winter. A vinyl coated chain link fence was erected to keep nutria out; achieved 100% shoot survival one month later.

- Seidensticker's Plot#18

Marsh Inventory No.: 276 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 07/01/91

Area Planted (1acre = 0.4047 ha): 0.010 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Chambers-Liberty Nav. District

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Galveston Bay; Trinity Bay

Directions to the site: On a dredged material deposition island along the west side of the Anahuac River, at Fish Pass.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Nutria completely ate this area. Failure
- Seidensticker's Plot#9

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Marsh Inventory No.: 275 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 07/01/91

Area Planted (1acre = 0.4047 ha): 0.050 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Chambers-Liberty Nav. District

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Galveston Bay; Trinity Bay

Directions to the site: On a dredged material deposition island along the west side of the Anahuac River Channel at marker 17.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Nutria and possibly grass carp ate this area completely by the winter. Failure.
- Seidensticker's Plot#10

Marsh Inventory No.: 274 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 07/01/93

Area Planted (1acre = 0.4047 ha): 0.050 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Various Private

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Galveston Bay; Trinity Bay

Directions to the site: Along the east shoreline of the old Anahuac Barge channel halfway between Round Point and Ash Point.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- 70% shoot survival. 3 years later; free of damage and pests. Good.
- Seidensticker's Plot#8

Marsh Inventory No.: 280 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 08/01/90

Area Planted (1acre = 0.4047 ha): 0.109 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Chambers-Liberty Nav. District

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Galveston Bay; Trinity Bay

Directions to the site: Along the shore of a dredged material deposition island at marker 9 on the Anahuac River Channel, adjacent to plot 13.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- 100% shoot survival. 2 weeks later; plants look good. Plastic snow fence used for protection against waves and nutria. Excellent.
- Seidensticker's Plot#14

Marsh Inventory No.: 279 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 08/01/90

Area Planted (1acre = 0.4047 ha): 0.010 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Chambers-Liberty Nav. District

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Galveston Bay; Trinity Bay

Directions to the site: Along the shore of a dredged material deposition island at marker 9 on the Anahuac River Channel.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- 100% shoot survival. 2 weeks later; fishermen had cut the temporary barrier fence, but no noticeable damage and lots of aquatic life in the plot now. A plastic snow fence was used to dampen waves, and to keep nutria out. Excellent.

- Seidensticker's Plot#13

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Marsh Inventory No.: 278 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 08/01/90

Area Planted (1acre = 0.4047 ha): 0.017 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Chambers-Liberty Nav. District

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Galveston Bay; Trinity Bay

Directions to the site: Next to the public boat ramp at Ft. Anahuac.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Bulkheaded off by accident and destroyed.
- Seidensticker's Plot#12

Marsh Inventory No.: 277 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 08/01/90

Area Planted (1acre = 0.4047 ha): 0.109 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Chambers-Liberty Nav. District

Location of the marsh.

State: TX **County:** Chambers **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Galveston Bay; Trinity Bay

Directions to the site: Along the north shore at the outlet of Long Island Bayou.

Source of planting information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Mr. Eddie Seidensticker, U.S. Soil Conservation Service, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Completely eaten by nutria. Failure
- Seidensticker's Plot#11

Marsh Inventory No.: 709 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1983

Area Planted (1acre = 0.4047 ha): 2.833 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: COE

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 20" 51.5" **Longitude (W):** 94 49' 26.8"

Bay and sub-bays: Galveston Bay

Directions to the site: Southern portion of little Pelican Island (the portion N of the GIWW)

Source of planting information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- This marsh was smothered by dredged material when a dike broke.
- Marsh name: L. Pelican Island.

Marsh Inventory No.: 711 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 0.405 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: COE

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 22' 00" **Longitude (W):** 94 53' 00"

Bay and sub-bays: Galveston Bay

Directions to the site: Along the SE facing shoreline of Snake Island; just a 0.25 mi W of Texas City Channel and harbor.

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

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192

Marsh Inventory No.: 697 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1992

Area Planted (1acre = 0.4047 ha): 2.024 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: COE / NMFS

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 21' 00" **Longitude (W):** 94 49' 35"

Bay and sub-bays: Galveston Bay

Directions to the site: Pelican Spit, along the S shore of the thin westward projection of the NW spit; first portion of two.

Source of planting information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

Source of subsequent assessment information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

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Marsh Inventory No.: 696 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1992

Area Planted (1acre = 0.4047 ha): 1.214 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: COE / NMFS

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 21' 00" **Longitude (W):** 94 49' 36"

Bay and sub-bays: Galveston Bay

Directions to the site: Pelican Spit, along the S shore of the thin westward projection of the NW spit; second portion of two.

Source of planting information: Mr. Charles E. Beldaire, Beldaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

Source of subsequent assessment information: Mr. Charles E. Beldaire, Beldaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

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Marsh Inventory No.: 708 **Information Rank (1-5):** 5 **State:** TX

Date Planted: 04/01/87

Area Planted (1acre = 0.4047 ha): 2.618 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: COE

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 20' 47.3" **Longitude (W):** 94 49' 50.0"

Bay and sub-bays: Galveston Bay

Directions to the site: Pelican Spit, the extension N of the NW corner of Pelican Island

Source of planting information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

Source of subsequent assessment information: Mr. G. Galbraith, Espey-Huston & Associates, Inc.

References or reports: Tom Minello, (409) 766-3606

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh: 75

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when? Yes. Fisheries and benthic organisms.

General comments about the marsh:

- Sprigs were planted on 1-m centers. Excellent survival and growth. Later studied for fisheries organisms. Also, trenched to study edge effects for fish and shellfish.
- Marsh name: Pelican Spit.

Marsh Inventory No.: 642 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1992

Area Planted (1acre = 0.4047 ha): 0.004 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 33' **Longitude (W):** 95 02'

Bay and sub-bays: Galveston Bay; Clear Lake

Directions to the site: Clear lake Shores-Jabot Bayou

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation,
17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay
Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 0%

**Was there an assessment made of animal utilization of the marsh? If so,
which animals were surveyed, and when?**

General comments about the marsh:

- Eaten by nutria, complete failure.
-

Marsh Inventory No.: 713 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1977

Area Planted (1acre = 0.4047 ha): 1.214 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: COE

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 25' 10" **Longitude (W):** 94 43' 57"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: On the N shore of Bolivar Peninsula, about 5 mi E of the Houston Ship Channel

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports: Webb, 1977; Allen et al., 1978.

Other species planted in addition to *Spartina alterniflora* : *Spartina patens*

Percent vegetative cover attained by the planted marsh: 50

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Transplanted *S. alterniflora* was tried at different elevations and under different fertilizer treatments; half the plots were protected behind a sandbag breakwater. This was part of a 7.3 ha study of marsh and upland habitat development.

Marsh Inventory No.: 710 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1984

Area Planted (1acre = 0.4047 ha): 0.202 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: COE

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 24' 43" **Longitude (W):** 94 44' 37"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: On the N shore of Bolivar Peninsula, about 4 mi E of the Houston Ship Channel

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports: Allen and Webb, 1993

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 50

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Two breakwaters were used, a floating tire and a fixed tire. Both worked well to start and 50% cover was obtained. But when the fixed tire breakwater broke, its cordgrass was destroyed in about 5 yrs. The floating tire marsh expanded beyond 100%.

Marsh Inventory No.: 712 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1985

Area Planted (1acre = 0.4047 ha): 0.121 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: COE

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 24' 48" **Longitude (W):** 94 44' 24"

Bay and sub-bays: Galveston Bay; East Bay

Directions to the site: On the N shore of Bolivar Peninsula, about 4 mi E of the Houston Ship Channel

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports: Allen et al., 1986

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 50

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Transplants were protected for awhile by a breakwater made of tires.
-

Marsh Inventory No.: 226 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 1.214 hectares

COE Permit No.: 17072 **Date of COE Permit:** 03/13/85

Originator or Applicant for permit: R. G. Parker

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 21' 00" **Longitude (W):** 94 53' 40"

Bay and sub-bays: Galveston Bay; Swan Lake.

Directions to the site: Along N half of E margin of Swan Lake;

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

-
-

200

Marsh Inventory No.: 636 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1992

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF - SCS

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 12' 30" **Longitude (W):** 94 57' 30"

Bay and sub-bays: Galveston Bay; West Bay

Directions to the site: Along the SW shore of Lake Como on Galveston Island near Pirates housing development on the bay side.

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 80%

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Planted on 0.5 m centers.

Marsh Inventory No.: 706 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 0.016 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: COE ?

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 13' 50" **Longitude (W):** 95 01' 30"

Bay and sub-bays: Galveston Bay; West Bay.

Directions to the site: Along the N shore of West Bay just S of Carancahua Lake.

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Fringe marsh subject to 2 mi fetch across the bay, but somewhat protected by the Carancahua Reef in the bay.

202

Marsh Inventory No.: 718 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 04/01/93

Area Planted (1acre = 0.4047 ha): 12.546 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: City of Hitchcock ?

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 20' 30" **Longitude (W):** 94 58' 20"

Bay and sub-bays: Galveston Bay; West Bay; Highland Bayou

Directions to the site: About 3 miles up the bayou, in the city of Hitchcock

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

Marsh Inventory No.: 719 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 0.004 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: COE

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 17' 00" **Longitude (W):** 94 54' 18"

Bay and sub-bays: Galveston Bay; West Bay; North Deer Island

Directions to the site: Along the E side of North Deer island; transplants were planted through slits in erosion control coconut fibre mats.

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Fringe marsh subject to barge traffic in the GIWW that was only 0.2 mi away.
-

204

Marsh Inventory No.: 695 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 0.299 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: COE ?

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 16' 40" **Longitude (W):** 94 51' 00"

Bay and sub-bays: Galveston Bay; West Bay; Offats Bayou; Lake Madelaine channel.

Directions to the site: Along the W side of the channel, protected by a floating tire wave breaking device.

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. Thomas Minello, National Marine Fisheries Service, 4700 Ave. U, Galveston, TX 77551, (409) 766-3506

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when? Yes. Fisheries and benthic organisms.

General comments about the marsh:

- Fringe marsh subject to pleasure boats' low wake waves.
-

Marsh Inventory No.: 707 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1984

Area Planted (1acre = 0.4047 ha): 0.324 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: Moody Foundation

Location of the marsh.

State: TX **County:** Galveston **Latitude (N):** 29 16' 25.5" **Longitude (W):** 94 50' 57.3"

Bay and sub-bays: Galveston Bay; West Bay; Offatts Bayou; Palm Beach.

Directions to the site: Shoreline along Offatts Bayou in front of Palm Beach.

Source of planting information:

Source of subsequent assessment information: Dr. Geoffrey Matthews, National Marine Fisheries Service, 4700 Ave. U, Galveston, TX 77551, (409) 766-3532

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh: 50%

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Marsh is becoming established at Palm Beach.
-

206

Marsh Inventory No.: 722 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1990

Area Planted (1acre = 0.4047 ha): 0.405 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: TX DOT ?

Location of the marsh.

State: TX **County:** Harris **Latitude (N):** 29 33' 25" **Longitude (W):** 95 01' 20"

Bay and sub-bays: Galveston Bay

Directions to the site: Just NE of the Clear Lake channel causeway, in a tidal pond.

Source of planting information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

Source of subsequent assessment information: Dr. James W. Webb, Texas A&M Univ. at Galveston, P.O. Box 1675, Galveston, TX 77553, (409)740-4542

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh: 70

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- This marsh has its good and bad years, depending on circulation of water to the pond.

Marsh Inventory No.: 634 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1992

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF - SCS

Location of the marsh.

State: TX **County:** Harris **Latitude (N):** 29 40' **Longitude (W):** 94 59'

Bay and sub-bays: Galveston Bay

Directions to the site: Morgan's Point in front of Mansion

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation,
17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay
Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 80-0%

**Was there an assessment made of animal utilization of the marsh? If so,
which animals were surveyed, and when?**

General comments about the marsh:

- Stand was doing very well until this springs extended high tides that completely
killed the *Spartina*. They replanted in July 1993 and are doing more in August 1993.

208

Marsh Inventory No.: 721 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1993

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF

Location of the marsh.

State: TX **County:** Harris **Latitude (N):** 29 38' **Longitude (W):** 95 01'

Bay and sub-bays: Galveston Bay

Directions to the site: Little Cedar Bayou-South bank of bayou about 0.7 km up into the bayou.

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Planted on 0.5-m centers.
-

Marsh Inventory No.: 635 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1991

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF

Location of the marsh.

State: TX **County:** Harris **Latitude (N):** 29 38' **Longitude (W):** 95 01'

Bay and sub-bays: Galveston Bay

Directions to the site: Little Cedar Bayou-South bank of bayou about 0.5 km up into the bayou.

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 75-90%

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Planted on 0.5-m centers.
-

210

Marsh Inventory No.: 720 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1992

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF

Location of the marsh.

State: TX **County:** Harris **Latitude (N):** 29 38' **Longitude (W):** 95 01'

Bay and sub-bays: Galveston Bay

Directions to the site: Little Cedar Bayou-South bank of bayou about 0.5 km up into the bayou.

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 75-90%

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Planted on 0.5-m centers.
-

Marsh Inventory No.: 637 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1990

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF - SCS

Location of the marsh.

State: TX **County:** Harris **Latitude (N):** 29 48' 55" **Longitude (W):** 95 05'

Bay and sub-bays: Galveston Bay; San Jacinto River, White Lake

Directions to the site: San Jacinto River Railroad Island

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 80% cover in 40% of the marsh

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Planted on 0.5-m centers. Predations by grass carp and swamp rabbits.
-

212

Marsh Inventory No.: 724 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1991

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF - SCS

Location of the marsh.

State: TX **County:** Harris **Latitude (N):** 29 48' 55" **Longitude (W):** 95 05'

Bay and sub-bays: Galveston Bay; San Jacinto River, White Lake

Directions to the site: San Jacinto River Railroad Island, northeast margin of the island.

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 80% cover in 40% of the marsh

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Planted on 0.5-m centers. Predations by grass carp and swamp rabbits.

Marsh Inventory No.: 638 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1991

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF - SCS

Location of the marsh.

State: TX **County:** Harris **Latitude (N):** 29 48' 29" **Longitude (W):** 95 04'

Bay and sub-bays: Galveston Bay; San Jacinto River, White Lake

Directions to the site: San Jacinto River-Little Island, Phase 1

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 95%

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Planted on 0.5-m centers.
-

214

Marsh Inventory No.: 639 Information Rank (1-5): 3 State: TX

Date Planted: 1992

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none Date of COE Permit:

Originator or Applicant for permit: GBF - SCS

Location of the marsh.

State: TX County: Harris Latitude (N): 29 48' 29" Longitude (W): 95 04'

Bay and sub-bays: Galveston Bay; San Jacinto River, White Lake

Directions to the site: San Jacinto River-Little Island, Phase 2: added on to the west.

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 65%

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

-
-

Marsh Inventory No.: 214 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1992

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF - SCS

Location of the marsh.

State: TX **County:** Harris **Latitude (N):** 29 48' 55" **Longitude (W):** 95 05'

Bay and sub-bays: Galveston Bay; San Jacinto River, White Lake

Directions to the site: San Jacinto River Railroad Island, expanded to south.

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora*. :

Percent vegetative cover attained by the planted marsh: 80% cover in 40% of the marsh

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Planted on 0.5-m centers. Predations by grass carp and swamp rabbits.

-

216

Marsh Inventory No.: 723 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1993

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: GBF - SCS

Location of the marsh.

State: TX **County:** Harris **Latitude (N):** 29 48' 55" **Longitude (W):** 95 05'

Bay and sub-bays: Galveston Bay; San Jacinto River, White Lake

Directions to the site: San Jacinto River Railroad Island, expanded to south and northwest.

Source of planting information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

Source of subsequent assessment information: Ms. Linda Shead, Galveston Bay Foundation, 17324-A Hwy. 3, Webster, TX 77598, (713) 332-3381

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 80% cover in 40% of the marsh

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Planted on 0.5-m centers. Predations by grass carp and swamp rabbits.
-

Marsh Inventory No.: 694 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1990

Area Planted (1acre = 0.4047 ha): 1.012 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: Transco

Location of the marsh.

State: TX **County:** Matagorda **Latitude (N):** 28 24' 30" **Longitude (W):** 96 22' 00"

Bay and sub-bays: Matagorda Bay

Directions to the site: Along the N shore of Decros Point at the S tip of Matagorda Peninsula, beginning about 2 km NE of Pass Cavallo.

Source of planting information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

Source of subsequent assessment information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 20

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Partial Success (>10% cover). Wide open to the N, fetch greater than 10 km.

-

Marsh Inventory No.: 716 **Information Rank (1-5):** 5 **State:** TX

Date Planted: 07/01/84

Area Planted (1acre = 0.4047 ha): 8.000 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit:

Location of the marsh.

State: TX **County:** Matagorda **Latitude (N):** 28 39' 00" **Longitude (W):** 96 03' 00"

Bay and sub-bays: Matagorda Bay; East Matagorda Bay

Directions to the site: Along the S-facing shoreline of a dredged material island on the NE margin of the bay.

Source of planting information: Dr. Thomas Minello, National Marine Fisheries Service, 4700 Ave. U, Galveston, TX 77551, (409) 766-3506

Source of subsequent assessment information: (Minello & Zimmerman, 1992)

References or reports: (Minello & Zimmerman, 1992)

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when? Yes. Fisheries and benthic organisms.

General comments about the marsh:

-
-

Marsh Inventory No.: 245 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: 16075 **Date of COE Permit:**

Originator or Applicant for permit: Latitude 27, Inc. (Island Moorings Subdiv.)

Location of the marsh.

State: TX **County:** Nueces **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Corpus Christi Bay

Directions to the site: W. side of Mustang Isl., S. of Port Aransas

Source of planting information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

-
-

220

Marsh Inventory No.: 240 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 0.004 hectares

COE Permit No.: 14454(02) **Date of COE Permit:**

Originator or Applicant for permit: Mustang Beach Devel. Corp. (Sunny Castor)

Location of the marsh.

State: TX **County:** Nueces **Latitude (N):** 27 49' 53" **Longitude (W):** 97 06' 40"

Bay and sub-bays: Corpus Christi Bay

Directions to the site: W. side of Mustang Isl, S. of Port Aransas; 400 ft SW from the canal to a mud flat.

Source of planting information: Mr. Lloyd Mullins, Texas General Land Office, 111 W. Wilson, 2nd floor Naylor Bldg., Aransas Pass, TX 78336, (512) 758-7228

Source of subsequent assessment information: Ms. Lynda Kahn, Texas General Land Office, 111 W. Wilson, 2nd floor Naylor Bldg., Aransas Pass, TX 78336, (512) 758-7228

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 100

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Impossible to distinguish from the natural marsh.

Marsh Inventory No.: 238 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 0.008 hectares

COE Permit No.: 13625 **Date of COE Permit:**

Originator or Applicant for permit: R.E. Jenkins

Location of the marsh.

State: TX **County:** Nueces **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Corpus Christi Bay

Directions to the site: Port Aransas Municipal Boat Harbor

Source of planting information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

-
-

222

Marsh Inventory No.: 191 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 0.154 hectares

COE Permit No.: 18175 **Date of COE Permit:** 10/26/87

Originator or Applicant for permit: TX State Aquarium Association

Location of the marsh.

State: TX **County:** Nueces **Latitude (N):** 27 51' 00" **Longitude (W):** 97 21' 20"

Bay and sub-bays: Corpus Christi Bay

Directions to the site:

Source of planting information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

-
-

Marsh Inventory No.: 665 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1981

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: 14454(06) **Date of COE Permit:**

Originator or Applicant for permit: Mustang Beach Ltd.

Location of the marsh.

State: TX **County:** Nueces **Latitude (N):** 27 48' 10" **Longitude (W):** 97 05' 45"

Bay and sub-bays: Corpus Christi Bay; Elizabeth Cove

Directions to the site: Mustang Island, Mustang Beach, Tx. 400 sq. ft. from end of canal sw to a mud flat.

Source of planting information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

-
-

224

Marsh Inventory No.: 683 Information Rank (1-5): 3 State: TX

Date Planted: 1990

Area Planted (1acre = 0.4047 ha): 12.141 hectares

COE Permit No.: Date of COE Permit:

Originator or Applicant for permit: COE

Location of the marsh.

State: TX County: Nueces Latitude (N): 27 52' 00" Longitude (W): 97 27' 10"

Bay and sub-bays: Corpus Christi Bay; Nueces Bay

Directions to the site: West end of Nueces Bay.

Source of planting information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

Source of subsequent assessment information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 2

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Failure (<5% cover). Scrape-down operation removed too much substrate so the area elevation was too low to support *Spartina*. Now *Ruppia* is growing, and a plover is using the area, probably no corrective measures will be done.

Marsh Inventory No.: 682 **Information Rank (1-5):** 3 **State:** TX

Date Planted: 1992

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: Charlie Craveas

Location of the marsh.

State: TX **County:** Nueces **Latitude (N):** 27 38' 15" **Longitude (W):** 97 14' 46"

Bay and sub-bays: Laguna Madre

Directions to the site: S shoreline of the John F. Kennedy Causeway, 0.2 mi W of the GIWW bridge

Source of planting information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

Source of subsequent assessment information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 2

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Failure (<10% cover).

-

226

Marsh Inventory No.: 247 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 0.004 hectares

COE Permit No.: 16889 **Date of COE Permit:**

Originator or Applicant for permit: G. Goodman

Location of the marsh.

State: TX **County:** Nueces **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Laguna Madre; Upper Laguna Madre

Directions to the site: Under and S. of the JFK Causeway bridge over the GIWW

Source of planting information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

-
-

Marsh Inventory No.: 693 **Information Rank (1-5):** 4 **State:** TX

Date Planted: 1992

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: none **Date of COE Permit:**

Originator or Applicant for permit: Refugio County

Location of the marsh.

State: TX **County:** Refugio **Latitude (N):** 28 23' 30" **Longitude (W):** 96 50' 20"

Bay and sub-bays: San Antonio Bay

Directions to the site: Bayfront at Austwell, TX; NW of boat docks.

Source of planting information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

Source of subsequent assessment information: Mr. Charles E. Belaire, Belaire Consulting, Inc., P.O. Box 741, Rockport, TX 78382, (512) 729-2948

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh: 75

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- Very successful (>70% cover).
-

228

Marsh Inventory No.: 237 **Information Rank (1-5):** 3 **State:** TX

Date Planted:

Area Planted (1acre = 0.4047 ha): 0.040 hectares

COE Permit No.: 12825 **Date of COE Permit:**

Originator or Applicant for permit: Ingelside Offshore Services

Location of the marsh.

State: TX **County:** San Patricio **Latitude (N):** **Longitude (W):**

Bay and sub-bays: Corpus Christi Bay

Directions to the site: Jewel Fulton Canal, at Ingleside

Source of planting information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

-
-

Marsh Inventory No.: 725 **Information Rank (1-5):** 5 **State:** VA

Date Planted: 10/01/84

Area Planted (1acre = 0.4047 ha): 2.833 hectares

COE Permit No.: ? **Date of COE Permit:** 1984

Originator or Applicant for permit: Navy

Location of the marsh.

State: VA **County:** **Latitude (N):** 36 57' 45" **Longitude (W):** 76 16' 12"

Bay and sub-bays: Chesapeake Bay; Hampton Roads; Willoughby Bay

Directions to the site: Just WNW of the City of Norfolk's Visitor Center.

Source of planting information: Mr. Carvel Blair, Norfolk Wetlands Board

Source of subsequent assessment information: Mr. Carvel Blair, Norfolk Wetlands Board

References or reports: (Blair, 1991)

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh: 64% as of 1989

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when? Yes. Feigenbaum & Swift (1989) studied fish and invertebrates; Blair (1989) studied the birds.

General comments about the marsh:

- *S. alterniflora* was planted on 2-ft centers. Marsh shape: rectangular; inundation channels form an H with the cross-bar leading to the culverts that connect to the bay.

- Non-quantitative monitoring showed presence of benthic invertebrates, fish and birds. Animal appeared to be as abundant in the created marsh as in the nearby natural marsh.

230

Marsh Inventory No.: 287 **Information Rank (1-5):** 3 **State:** VA

Date Planted: 04/01/75

Area Planted (1acre = 0.4047 ha): 2.833 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: Norfolk District, Army COE

Location of the marsh.

State: VA **County:** Accomack **Latitude (N):** 37 28' 40" **Longitude (W):** 75 44' 30"

Bay and sub-bays: Atlantic Ocean; Quinby Inlet; North Inlet; Cunjer Channel; Sloop Channel.

Directions to the site: On the W shore of an island located at Bouy 171 of Sloop Channel, and about 9 km SE of Willis Wharf.

Source of planting information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Source of subsequent assessment information: (Garbisch, Woller and McCallum, 1976)

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- *S. alterniflora* was planted on 2-ft centers. Marsh shape: irregular. Built by Environmental Concern, Inc. COE Contract # DACW65-74-C-0062. These were dredge disposal sites.

- Marsh name: Sloop Channel

Marsh Inventory No.: 286 **Information Rank (1-5):** 3 **State:** VA

Date Planted: 04/01/75

Area Planted (1acre = 0.4047 ha): 1.214 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: Norfolk District, Army COE

Location of the marsh.

State: VA **County:** Accomack **Latitude (N):** 37 39' 20" **Longitude (W):** 75 38' 06"

Bay and sub-bays: Atlantic Ocean; Wachapreague Inlet; Burtons Bay.

Directions to the site: On the SW-facing shore at the N end of Burtons Bay, about 9 km NE of Wachapreague.

Source of planting information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Source of subsequent assessment information: (Garbisch, Woller and McCallum, 1976)

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- *S. alterniflora* was planted on 2-ft centers. Marsh shape: irregular. Built by Environmental Concern, Inc. COE Contract # DACW65-74-C-0062. These were dredge disposal sites.

- Marsh name: Burtons Bay

Marsh Inventory No.: 336 **Information Rank (1-5):** 3 **State:** VA

Date Planted: 06/01/87

Area Planted (1acre = 0.4047 ha): 0.283 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: Virginia DOT

Location of the marsh.

State: VA **County:** Accomack **Latitude (N):** 37 56' 00?" **Longitude (W):** 75 37' 00?"

Bay and sub-bays: Chesapeake Bay; Pocomoke Sound; Powell Bay; Holdens Creek

Directions to the site: Scrape-down area where old Rte. 702 crossed creek near and E of intersection of 702 and 701, north of Jenkins Bridge.

Source of planting information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* :

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- *S. alterniflora* was planted on 2-ft centers. Marsh shape: linear. Built by Environmental Concern, Inc.

- Marsh name: Lance Eller Inc.

Marsh Inventory No.: 326 **Information Rank (1-5):** 3 **State:** VA

Date Planted: 07/01/87

Area Planted (1acre = 0.4047 ha): 0.890 hectares

COE Permit No.: **Date of COE Permit:**

Originator or Applicant for permit: City of Hampton, VA

Location of the marsh.

State: VA **County:** City of Hampton **Latitude (N):** 37 03' 45" **Longitude (W):**
76 17' 05"

Bay and sub-bays: Chesapeake Bay; Horseshoe Shoal; Long Creek

Directions to the site: E-side of Long Creek, east of Salt Ponds Rd. and about 8 km
NE of Hampton, VA.

Source of planting information: Dr. Edgar Garbisch, Environmental Concern, Inc.,
P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh:

**Was there an assessment made of animal utilization of the marsh? If so,
which animals were surveyed, and when?**

General comments about the marsh:

- *S. alterniflora* was planted on 2-ft centers. Built by Environmental Concern, Inc.
Permit # 2 SD OX2 1 002355.
- Marsh name: Hampton, VA.

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Marsh Inventory No.: 345 **Information Rank (1-5):** 3 **State:** VA

Date Planted: 06/01/84

Area Planted (1acre = 0.4047 ha): 0.648 hectares

COE Permit No.: 84-0166-12 **Date of COE Permit:** 1984

Originator or Applicant for permit: Vidco of Virginia

Location of the marsh.

State: VA **County:** Isle of Wight **Latitude (N):** 36 48' 45" **Longitude (W):** 76 17' 20"

Bay and sub-bays: Chesapeake Bay; Hampton Roads; Elizabeth River; Bell's Mill Creek

Directions to the site: Residential development mitigation area on Bell's Mill Creek and Cedar Road (Rte. 168?), Chesapeake, VA.

Source of planting information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* : *Spartina cynosuroides*, *Spartina patens*

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- *S. alterniflora* was planted on 2-ft centers. Marsh shape: rectangular. Built by Environmental Concern, Inc.

- Marsh name: Vidco. Permit # 84-0166-12.

Marsh Inventory No.: 312 **Information Rank (1-5):** 3 **State:** VA

Date Planted: 07/01/84

Area Planted (1acre = 0.4047 ha): 1.295 hectares

COE Permit No.: NADOP-P79-0316-06 **Date of COE Permit:**

Originator or Applicant for permit: Town of Tangier, VA.

Location of the marsh.

State: VA **County:** James City **Latitude (N):** 37 12' 50" **Longitude (W):** 76 43' 30"

Bay and sub-bays: Chesapeake Bay; James River; The Thorofare.

Directions to the site: Jamestown National Historic Site shoreline, along the N 1.5 miles of shoreline on The Thorofare, between College Creek and Mill Creek.

Source of planting information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Source of subsequent assessment information:

References or reports:

Other species planted in addition to *Spartina alterniflora* : none

Percent vegetative cover attained by the planted marsh:

Was there an assessment made of animal utilization of the marsh? If so, which animals were surveyed, and when?

General comments about the marsh:

- *S. alterniflora* was planted on 2-ft centers. Marsh shape: shoreline. Built by Environ. Concern Inc. EPA Project # C-510527-03.
- Marsh name: Tangier Island Sewer.

Marshes with Minimal Information

Marsh Inventory No.: 1 **COE Permit No.:** AL84-00128-L **Size (ha):** 0.003
State: AL **County:** Baldwin **Bay :** Cotton Bayou
Source of information:
Comments: .

Marsh Inventory No.: 4 **COE Permit No.:** AL90-00065-B **Size (ha):** 0.004
State: AL **County:** Baldwin **Bay :** Perdido Bay
Source of information:
Comments: .

Marsh Inventory No.: 3 **COE Permit No.:** AL84-00109-A **Size (ha):** 0.020
State: AL **County:** Baldwin **Bay :** Perdido Bay; Arnica Bay
Source of information:
Comments: .

Marsh Inventory No.: 658 **COE Permit No.:** AL87-01424-U **Size (ha):** 18.070
State: AL **County:** Mobile **Bay :** Mississippi Sound, West Fowl River Bay
Source of information: Dr. Barry A. Vittor, Barry A. Vittor and Ass., Inc.,
Environmental Research & Consulting, 8060 Cottage Hill Road, Mobile, AL 36695, (205)
633-6100
Comments: Marsh shape: protected canal system. Planting density of *S. alterniflora* : 4
stems per sq. m. 5 site evaluations were performed from 1988-1989.. Marsh name: West
Fowl River Marsh.

Marsh Inventory No.: 2 **COE Permit No.:** AL84-00039-L-AF **Size (ha):** 0.008
State: AL **County:** Mobile **Bay :** Mississippi Sound; Bayou Coden
Source of information:
Comments: .

Marsh Inventory No.: 184 **COE Permit No.:** **Size (ha):** 0.350
State: AL **County:** **Bay :** Mississippi Sound; Portersville Bay
Source of information: (Allen, Shirley and Webb, 1982) (Allen, Shirley & Webb,
1982)

Comments: This was a test of new design breakwaters. The floating tire breakwater
successfully withstood the wave energy, but caused sediment accretion and smothered the
sprigs planted in June 1985. *S. alterniflora* was planted again in Aug '85. . Survival of
the 1985 planting was about 30-40% behind the breakwaters as of Nov '85.

Marsh Inventory No.: 673 **COE Permit No.:** **Size (ha):** 1.550
State: AL **County:** **Bay :** Mobile Bay
Source of information: (Allen and Webb, 1982) (Allen & Webb, 1982)

Comments: This was a test of new design breakwaters. The floating tire breakwater
successfully withstood the wave energy and protected the *S. alterniflora* planting..

Marsh Inventory No.: 655 **COE Permit No.:** **Size (ha):** 0.081

State: CT **County:** **Bay :** Mianus River

Source of information: Mr. Matthew J. Popp or Ms. Judith A. Slayback,
Environmental Design Associates, P.C., P.O. Box 247, 78 Danbury Road, Wilton, CT
06897, (203) 762-8020

Comments: Some problems with predation by Canadian geese. Initially the new plants showed vigorous growth..

Marsh Inventory No.: 656 **COE Permit No.:** **Size (ha):** 0.040

State: CT **County:** **Bay :**

Source of information: Mr. Matthew J. Popp or Ms. Judith A. Slayback,
Environmental Design Associates, P.C., P.O. Box 247, 78 Danbury Road, Wilton, CT
06897, (203) 762-8020

Comments: .

Marsh Inventory No.: 405 **COE Permit No.:** **Size (ha):** 0.081

State: DE **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc. . Marsh name: Beachgrass
planting.

Marsh Inventory No.: 310 **COE Permit No.:** **Size (ha):**

State: DE **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620

Comments: .

Marsh Inventory No.: 482 **COE Permit No.:** **Size (ha):** 0.162

State: DE **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc. . Marsh name: Shore planting.

Marsh Inventory No.: 510 **COE Permit No.:** **Size (ha):** 0.040

State: DE **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc. . Marsh name: Y. Usuki.

Marsh Inventory No.: 509 **COE Permit No.:** **Size (ha):** 0.040

State: DE **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc. . Marsh name: N.
Bunting/Vines Creek.

Marsh Inventory No.: 541 **COE Permit No.:** **Size (ha):** 0.567

State: DE **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc. . **Marsh name:** Hudson.

Marsh Inventory No.: 558 **COE Permit No.:** **Size (ha):** 0.121

State: DE **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc. . **Marsh name:** Phil Short.

Marsh Inventory No.: 595 **COE Permit No.:** **Size (ha):** 0.040

State: DE **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc. . **Marsh name:** RV Park.

Marsh Inventory No.: 5 **COE Permit No.:** 84W-5163 **Size (ha):** 0.057

State: FL **County:** **Bay :** AIWW

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 39 **COE Permit No.:** 85IPX-20324 **Size (ha):** 0.769

State: FL **County:** Bay **Bay :** St. Andrew Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 38 **COE Permit No.:** 82R-1605 **Size (ha):** 0.202

State: FL **County:** Bay **Bay :** St. Andrew Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 12 **COE Permit No.:** 87IPX-20545 **Size (ha):** 0.405

State: FL **County:** Brevard **Bay :** Banana River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 11 **COE Permit No.:** 86-77-083 **Size (ha):** 0.890

State: FL **County:** Brevard **Bay :** Banana River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 24 **COE Permit No.:** 87IPD-21185 **Size (ha):** 2.173

State: FL **County:** Brevard **Bay :** Indian River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,

Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 22 **COE Permit No.:** 84F-4096 **Size (ha):** 0.049

State: FL **County:** Brevard **Bay :** Indian River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 21 **COE Permit No.:** 84X-4629 **Size (ha):** 0.002

State: FL **County:** Brevard **Bay :** Indian River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 20 **COE Permit No.:** 84M-2530 **Size (ha):** 0.012

State: FL **County:** Brevard **Bay :** Indian River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 252 **COE Permit No.:** SAI-44 **Size (ha):** 0.202

State: FL **County:** Brevard **Bay :** Indian River, Indian River Lagoon

Source of information: Dr. Robin Lewis, III., Lewis Environmental Services, Inc.,
P.O. Box 20005, Tampa, FL 33622-0005, (813) 889-9684 (Crewz & Lewis, 1991)

Comments: *Spartina alterniflora* growing well, but fringe was covered by fill. Mixed success. .

Marsh Inventory No.: 15 **COE Permit No.:** 84D-5195 **Size (ha):** 1.044

State: FL **County:** Camden **Bay :** Cumberland Sound; Amelia River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 14 **COE Permit No.:** 84J-0062 **Size (ha):** 1.340

State: FL **County:** Camden **Bay :** Cumberland Sound; Amelia River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 18 **COE Permit No.:** 85-47005 **Size (ha):** 0.004

State: FL **County:** Dixie **Bay :** Horseshoe Cove

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 6 **COE Permit No.:** 85IPX-21013 **Size (ha):** 0.028
State: FL **County:** Duval **Bay :** AIWW; Smith Creek
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 31 **COE Permit No.:** 88IPK-20374 **Size (ha):** 0.012
State: FL **County:** Duval **Bay :** Nassau Sound; Nassau River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 362 **COE Permit No.:** **Size (ha):** 3.764
State: FL **County:** Duval **Bay :** St. John's River; Nichols Creek
Source of information: Ms. Lisa Adams, Florida Dept. of Environmental Regulation,
 NE District Office, 7825 Baymeadows Way, Suite 200B, Jacksonville, FL 32256-7577,
 (904) 448-4300.
Comments: Very successful, monitoring complete and reports in file. File #
 161219709..

Marsh Inventory No.: 48 **COE Permit No.:** 89IPH-90034 **Size (ha):** 0.809
State: FL **County:** Duval **Bay :** St. Johns River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 47 **COE Permit No.:** 88-87-026 **Size (ha):** 0.085
State: FL **County:** Duval **Bay :** St. Johns River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 46 **COE Permit No.:** 86IPP-21097 **Size (ha):** 0.077
State: FL **County:** Duval **Bay :** St. Johns River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 45 **COE Permit No.:** 87IPP-20004 **Size (ha):** 0.001
State: FL **County:** Duval **Bay :** St. Johns River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 44 **COE Permit No.:** 86IPP-20625 **Size (ha):** 2.428
State: FL **County:** Duval **Bay :** St. Johns River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 42 **COE Permit No.:** 84T-2871 **Size (ha):** 0.007

State: FL **County:** Duval **Bay :** St. Johns River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 49 **COE Permit No.:** 90IPH-02068 **Size (ha):** 0.223

State: FL **County:** Duval **Bay :** St. Johns River; AIWW

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 43 **COE Permit No.:** 85IPX-20475 **Size (ha):** 0.004

State: FL **County:** Duval **Bay :** St. Johns River; Mill Cove

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 41 **COE Permit No.:** 83C-1603 **Size (ha):** 0.056

State: FL **County:** Duval **Bay :** St. Johns River; Pablo Creek

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 40 **COE Permit No.:** 83X-2396 **Size (ha):** 0.038

State: FL **County:** Duval **Bay :** St. Johns River; Pablo Creek

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 616 **COE Permit No.:** **Size (ha):** 0.280

State: FL **County:** Escambia **Bay :**

Source of information: Dr. Tom Roberts, Tennessee Tech University, Cookeville, TN 38505 (Roberts, 1991)

Comments: Many birds; several rats and mice; many killifish..

Marsh Inventory No.: 9 **COE Permit No.:** 87-67-002 **Size (ha):** 0.008

State: FL **County:** Franklin **Bay :** Apalachicola Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 10 **COE Permit No.:** 89IPZ-20173 **Size (ha):** 0.040
State: FL **County:** Franklin **Bay :** Apalachicola Bay; East Bay
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 54 **COE Permit No.:** 86IPE-20122 **Size (ha):** 0.130
State: FL **County:** Hillsborough **Bay :** Tampa Bay
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 13 **COE Permit No.:** 85IPE-20730 **Size (ha):** 0.073
State: FL **County:** Lee **Bay :** Caloosahatchee River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 55 **COE Permit No.:** 86IPE-20495 **Size (ha):** 0.057
State: FL **County:** Manatee **Bay :** Tampa Bay
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 51 **COE Permit No.:** 81C-1699 **Size (ha):** 0.017
State: FL **County:** Manatee **Bay :** Tampa Bay; Manatee River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 7 **COE Permit No.:** 88IPJ-20334 **Size (ha):** 0.008
State: FL **County:** Martin **Bay :** AIWW
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
 Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
 (813) 893-3503.
Comments: .

Marsh Inventory No.: 363 **COE Permit No.:** **Size (ha):** 2.428
State: FL **County:** Nassau **Bay :** ICW and Walker Creek
Source of information: Ms. Lisa Adams, Florida Dept. of Environmental Regulation,
 NE District Office, 7825 Baymeadows Way, Suite 200B, Jacksonville, FL 32256-7577,
 (904) 448-4300.
Comments: Very successful, no monitoring required in permit, no reports in file. File #
 450804829..

Marsh Inventory No.: 30 **COE Permit No.:** 85IPF-20609 **Size (ha):** 1.044
State: FL **County:** Nassau **Bay :** Nassau Sound
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,

Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 32 **COE Permit No.:** 89IPV-90847 **Size (ha):** 2.226

State: FL **County:** Nassau **Bay :** Nassau Sound; Nassau River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 57 **COE Permit No.:** 86IPE-20613 **Size (ha):** 0.020

State: FL **County:** Pinellas **Bay :** Tampa Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 56 **COE Permit No.:** 86IPT-20286 **Size (ha):** 0.012

State: FL **County:** Pinellas **Bay :** Tampa Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 37 **COE Permit No.:** 89-67-008 **Size (ha):** 0.093

State: FL **County:** Santa Rosa **Bay :** Santa Rosa Sound

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 36 **COE Permit No.:** 84D-3163 **Size (ha):** 0.081

State: FL **County:** Santa Rosa **Bay :** Santa Rosa Sound

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 620 **COE Permit No.:** **Size (ha):** 0.490

State: FL **County:** St. Johns **Bay :**

Source of information: Dr. Tom Roberts, Tennessee Tech University, Cookeville, TN 38505 (Roberts, 1991)

Comments: Marsh was fairly well established. Few birds; several rats; many killifish..

Marsh Inventory No.: 8 **COE Permit No.:** 90IPH-03073 **Size (ha):** 0.575

State: FL **County:** St. Johns **Bay :** AIWW

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 29 **COE Permit No.:** J199100788 **Size (ha):** 1.202

State: FL **County:** St. Johns **Bay :** Matanzas River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,

Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 28 **COE Permit No.:** J199004572 **Size (ha):** 1.032

State: FL **County:** St. Johns **Bay :** Matanzas River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 27 **COE Permit No.:** 88IPX-20182 **Size (ha):** 0.214

State: FL **County:** St. Johns **Bay :** Matanzas River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 26 **COE Permit No.:** 85IPK-20997 **Size (ha):** 0.166

State: FL **County:** St. Johns **Bay :** Matanzas River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 25 **COE Permit No.:** 84E-0916 **Size (ha):** 0.332

State: FL **County:** St. Johns **Bay :** Matanzas River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 35 **COE Permit No.:** 84W-2418 **Size (ha):** 0.081

State: FL **County:** St. Johns **Bay :** San Sebastian River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 34 **COE Permit No.:** 84W-5172 **Size (ha):** 0.060

State: FL **County:** St. Johns **Bay :** San Sebastian River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 33 **COE Permit No.:** 84W-0524 **Size (ha):** 0.169

State: FL **County:** St. Johns **Bay :** San Sebastian River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: .

Marsh Inventory No.: 50 **COE Permit No.:** J199100155 **Size (ha):** 0.040
State: FL **County:** St. Johns **Bay :** St. Johns River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: .

Marsh Inventory No.: 59 **COE Permit No.:** 88IPX-20575 **Size (ha):** 0.567
State: FL **County:** St. Johns **Bay :** Tolomato River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: .

Marsh Inventory No.: 58 **COE Permit No.:** 87IPL-21114 **Size (ha):** 0.008
State: FL **County:** St. Johns **Bay :** Tolomato River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: .

Marsh Inventory No.: 16 **COE Permit No.:** 86IPL-21086 **Size (ha):** 0.174
State: FL **County:** Volusia **Bay :** Halifax River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: .

Marsh Inventory No.: 622 **COE Permit No.:** **Size (ha):** 0.040
State: FL **County:** Volusia **Bay :** Halifax River
Source of information: Dr. Tom Roberts, Tennessee Tech University, Cookeville, TN 38505 (Roberts, 1991)
Comments: No birds; no mammal signs or catches; few killifish. Small fringe marsh lacks habitat complexity needed to support fish..

Marsh Inventory No.: 23 **COE Permit No.:** 87IPK-20697 **Size (ha):** 7.285
State: FL **County:** Volusia **Bay :** Indian River
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: .

Marsh Inventory No.: 17 **COE Permit No.:** 85IPW-90007 **Size (ha):** 0.057
State: FL **County:** Walton **Bay :** Hogtown Bayou
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: .

Marsh Inventory No.: 625 **COE Permit No.:** **Size (ha):** 0.020
State: FL **County:** **Bay :**
Source of information: Mr. Dr. Tom Roberts, Tennessee Tech University, Cookeville, TN 38505 Roberts, 1991

Comments: No birds; no mammal signs; few fish. Small fringe marsh lacks habitat complexity needed to support fish..

Marsh Inventory No.: 19 **COE Permit No.:** 82E-0666 **Size (ha):** 0.364

State: FL **County:** Bay : Indian River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 623 **COE Permit No.:** **Size (ha):** 0.490

State: FL **County:** Bay : Tampa Bay

Source of information: Dr. Tom Roberts, Tennessee Tech University, Cookeville, TN 38505 (Roberts, 1991)

Comments: Many birds; no rats; signs of rabbits and raccoons; many killifish..

Marsh Inventory No.: 624 **COE Permit No.:** **Size (ha):** 0.280

State: FL **County:** Bay : Tampa Bay;

Source of information: Dr. Tom Roberts, Tennessee Tech University, Cookeville, TN 38505 (Roberts, 1991)

Comments: Few birds; no rats; signs of rabbits; very many killifish..

Marsh Inventory No.: 52 **COE Permit No.:** 82U-1047 **Size (ha):** 0.911

State: FL **County:** Bay : Tampa Bay; Old Tampa Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 364 **COE Permit No.:** **Size (ha):** 0.405

State: FL **County:** Bay :

Source of information: Ms. Lisa Adams, Florida Dept. of Environmental Regulation, NE District Office, 7825 Baymeadows Way, Suite 200B, Jacksonville, FL 32256-7577, (904) 448-4300.

Comments: Successful. Monitoring complete, reports available but need time to locate. File # 551270462..

Marsh Inventory No.: 360 **COE Permit No.:** **Size (ha):**

State: FL **County:** Bay :

Source of information: Ms. Lucy Blair, Florida Dept. of Environmental Regulation, S District Office, 2295 Victoria Ave., Suite, Fort Myers, FL 33901, (813) 332-6975.

Comments: 2 areas were planted. Reports are required semiannually for the life of the permit. File # 361392379..

Marsh Inventory No.: 359 **COE Permit No.:** **Size (ha):** 0.728

State: FL **County:** Bay :

Source of information: Ms. Lucy Blair, Florida Dept. of Environmental Regulation, S District Office, 2295 Victoria Ave., Suite, Fort Myers, FL 33901, (813) 332-6975.

Comments: Monitoring reports to be submitted semiannually for 3 years. File # 89-0795..

Marsh Inventory No.: 361 **COE Permit No.:** **Size (ha):**

State: FL **County:** Bay :

Source of information: Ms. Lucy Blair, Florida Dept. of Environmental Regulation, S District Office, 2295 Victoria Ave., Suite, Fort Myers, FL 33901, (813) 332-6975.

Comments: Reports to be submitted annually, but none have been received. File # 361552385..

Marsh Inventory No.: 358 **COE Permit No.:** **Size (ha):**

State: FL **County:** Bay :

Source of information: Ms. Lucy Blair, Florida Dept. of Environmental Regulation, S District Office, 2295 Victoria Ave., Suite, Fort Myers, FL 33901, (813) 332-6975.

Comments: 2 of 4 mitigation areas planted with *S. alterniflora* in Aug 1991. 2 reports were submitted in 1992 and the latest report was submitted in March 1993. Semiannual reports are required for the life of the permit. File # 111793975..

Marsh Inventory No.: 69 **COE Permit No.:** 7189 **Size (ha):** 0.299

State: GA **County:** Chatham **Bay :** Wassaw Sound

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 68 **COE Permit No.:** 7075 **Size (ha):** 0.016

State: GA **County:** Chatham **Bay :** Wassaw Sound

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 67 **COE Permit No.:** 6852 **Size (ha):** 1.659

State: GA **County:** Chatham **Bay :** Wassaw Sound

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 66 **COE Permit No.:** 5922 **Size (ha):** 1.412

State: GA **County:** Chatham **Bay :** Wassaw Sound: Wilmington River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 63 **COE Permit No.:** 6614 **Size (ha):** 18.899

State: GA **County:** Glynn **Bay :** St. Andrew Sound

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 65 **COE Permit No.:** 6879 **Size (ha):** 0.036

State: GA **County:** Glynn **Bay :** St. Simons Sound

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 60 **COE Permit No.:** 6790 **Size (ha):** 0.081

State: GA **County:** McIntosh **Bay :** Sapello Sound

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 61 **COE Permit No.:** 074 OYN 004576 **Size (ha):** 0.044

State: GA **County:** Bay : St. Andrew Sound; Little Satilla River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 62 **COE Permit No.:** 4585 **Size (ha):** 1.562

State: GA **County:** Bay : St. Andrew Sound; Satilla River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 64 **COE Permit No.:** 074 OYN 004420 **Size (ha):** 0.971

State: GA **County:** Bay : St. Simons Sound; Brunswick River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: .

Marsh Inventory No.: 646 **COE Permit No.:** **Size (ha):**

State: LA **County:** Cameron **Bay :** Black Lake

Source of information: Mr. Ronald Marcantel, U.S. Soil Conservation Service, Lake Charles Field Office, 1400 Highway 14, Lake Charles, LA 71302, (318) 436-1483

Comments: Site was evaluated in 1988 and 1989..

Marsh Inventory No.: 96 **COE Permit No.:** **Size (ha):** 0.567

State: LA **County:** Cameron **Bay :** Calcasieu Lake

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # OYSTER BAYOU-8.

Marsh Inventory No.: 97 **COE Permit No.:** **Size (ha):** 3.399

State: LA **County:** Cameron **Bay :** Calcasieu Lake; Calcasieu River

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # LTCS-35.

Marsh Inventory No.: 124 **COE Permit No.:** **Size (ha):** 0.648

State: LA **County:** Cameron **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,

Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # CAMERON-815.

Marsh Inventory No.: 116 **COE Permit No.:** **Size (ha):** 284.909

State: LA **County:** Cameron **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # CREOLE CANAL-2.

Marsh Inventory No.: 700 **COE Permit No.:** **Size (ha):** 0.364

State: LA **County:** Iberia **Bay :** Vermillion Bay; Weeks Bay

Source of information: Mr. Brad Broussard, U.S. Soil Conservation Service, New Iberia Field Office, 300 Iberia Street, New Iberia, LA 70560 (318) 369-6623

Comments: Marsh name: Weeks Bay..

Marsh Inventory No.: 703 **COE Permit No.:** **Size (ha):** 0.283

State: LA **County:** Iberia **Bay :** Vermillion Bay; Weeks Bay

Source of information: Mr. Brad Broussard, U.S. Soil Conservation Service, New Iberia Field Office, 300 Iberia Street, New Iberia, LA 70560 (318) 369-6623

Comments: Marsh name: Bayou Carlin..

Marsh Inventory No.: 702 **COE Permit No.:** **Size (ha):** 0.049

State: LA **County:** Iberia **Bay :** Vermillion Bay; Weeks Bay

Source of information: Mr. Brad Broussard, U.S. Soil Conservation Service, New Iberia Field Office, 300 Iberia Street, New Iberia, LA 70560 (318) 369-6623

Comments: Marsh name: Bayou Petite Anse-Avery Island. Single stems of *Spartina alterniflora* were planted 0.3 m apart, using an offset of 0.15 m between rows..

Marsh Inventory No.: 701 **COE Permit No.:** **Size (ha):** 0.049

State: LA **County:** Iberia **Bay :** Vermillion Bay; Weeks Bay

Source of information: Mr. Brad Broussard, U.S. Soil Conservation Service, New Iberia Field Office, 300 Iberia Street, New Iberia, LA 70560 (318) 369-6623

Comments: Marsh name: Bayou Petite Anse-ICW..

Marsh Inventory No.: 83 **COE Permit No.:** **Size (ha):** 0.405

State: LA **County:** Jefferson **Bay :** Barataria Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # CAMINADA BAY-50/1.

Marsh Inventory No.: 80 **COE Permit No.:** **Size (ha):** 1.214

State: LA **County:** Jefferson **Bay :** Barataria Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # BLIND BAY-31.

Marsh Inventory No.: 78 **COE Permit No.:** **Size (ha):** 1.619

State: LA **County:** Jefferson **Bay :** Barataria Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,

Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: Permit # BAYOU DUPONT-49.

Marsh Inventory No.: 76 **COE Permit No.:** **Size (ha):** 1.862

State: LA **County:** Jefferson **Bay :** Barataria Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: Permit # BAYOU RIGAUD-57.

Marsh Inventory No.: 101 **COE Permit No.:** **Size (ha):** 0.486

State: LA **County:** Jefferson **Bay :** Gulf of Mexico; Caminada Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: Permit # CAMINADA BAY-52/1.

Marsh Inventory No.: 130 **COE Permit No.:** **Size (ha):** 0.093

State: LA **County:** Jefferson **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: Permit # JEFFERSON-84.

Marsh Inventory No.: 87 **COE Permit No.:** **Size (ha):** 849.870

State: LA **County:** Lafourche **Bay :** Barataria Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: Permit # LAFOURCHE-480/4.

Marsh Inventory No.: 82 **COE Permit No.:** **Size (ha):** 0.809

State: LA **County:** Lafourche **Bay :** Barataria Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: Permit # LAFOURCHE-655.

Marsh Inventory No.: 85 **COE Permit No.:** **Size (ha):** 1.700

State: LA **County:** Lafourche **Bay :** Barataria Bay; Bayou Lafourche

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: Permit # BAYOU LAFOURCHE-1072.

Marsh Inventory No.: 77 **COE Permit No.:** **Size (ha):** 1424.544

State: LA **County:** Lafourche **Bay :** Barataria Bay; Caminada Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters,
Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;
(813) 893-3503.

Comments: Permit # LAFOURCHE-517.

Marsh Inventory No.: 100 **COE Permit No.:** **Size (ha):** 10.118

State: LA **County:** Lafourche **Bay :** Gulf of Mexico

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # FLOTATION CANAL-1.

Marsh Inventory No.: 110 **COE Permit No.:** **Size (ha):** 2.979

State: LA **County:** Lafourche **Bay :** Terrebonne Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # GRAND BAYOU BLUE-15.

Marsh Inventory No.: 111 **COE Permit No.:** **Size (ha):** 4.533

State: LA **County:** Lafourche **Bay :** Timbalier Bay; Flotation Canal

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # FLOTATION CANAL-1/1.

Marsh Inventory No.: 128 **COE Permit No.:** **Size (ha):** 5.666

State: LA **County:** Lafourche **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # LAFOURCHE-663/2.

Marsh Inventory No.: 126 **COE Permit No.:** **Size (ha):** 0.809

State: LA **County:** Lafourche **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # LAFOURCHE-683.

Marsh Inventory No.: 125 **COE Permit No.:** **Size (ha):** 0.162

State: LA **County:** Lafourche **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # LAFOURCHE-649.

Marsh Inventory No.: 121 **COE Permit No.:** **Size (ha):** 704.178

State: LA **County:** Lafourche **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # LAFOURCHE-577.

Marsh Inventory No.: 119 **COE Permit No.:** **Size (ha):** 1.093

State: LA **County:** Lafourche **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702;

(813) 893-3503.

Comments: Permit # LAFOURCHE-560.

Marsh Inventory No.: 117 **COE Permit No.:** **Size (ha):** 849.870

State: LA **County:** Lafourche **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # LAFOURCHE-480/1.

Marsh Inventory No.: 114 **COE Permit No.:** **Size (ha):** 5.625

State: LA **County:** Lafourche **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # LAFOURCHE-482.

Marsh Inventory No.: 104 **COE Permit No.:** **Size (ha):** 2.788

State: LA **County:** Orleans **Bay :** Lake Pontchartrain

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # Lake Pontchartrain-5.

Marsh Inventory No.: 84 **COE Permit No.:** **Size (ha):** 0.283

State: LA **County:** Plaquemines **Bay :** Barataria Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # BARATARIA BAY-194.

Marsh Inventory No.: 81 **COE Permit No.:** **Size (ha):** 4.856

State: LA **County:** Plaquemines **Bay :** Barataria Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # GRAND BAYOU-164.

Marsh Inventory No.: 79 **COE Permit No.:** **Size (ha):** 0.405

State: LA **County:** Plaquemines **Bay :** Barataria Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # BAY BATISTE-18.

Marsh Inventory No.: 86 **COE Permit No.:** **Size (ha):** 3.764

State: LA **County:** Plaquemines **Bay :** Barataria Bay; Bayou Grand Cheni

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # BAYOU GRAND CHENIER-.

Marsh Inventory No.: 106 **COE Permit No.:** **Size (ha):** 0.607

State: LA **County:** Plaquemines **Bay :** Mississippi Delta
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: Permit # CHICHARAS BAY-3.

Marsh Inventory No.: 105 **COE Permit No.:** **Size (ha):** 1.214
State: LA **County:** Plaquemines **Bay :** Mississippi Delta
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: Permit # BAY EARANE-1.

Marsh Inventory No.: 352 **COE Permit No.:** **Size (ha):**
State: LA **County:** Plaquemines **Bay :**
Source of information: Mr. John E. Boatman, U.S. Soil Conservation Service, Plaquemines Soil and Water Conservation District Office, 104 Hebert Boulevard, Belle Chase, LA 70037, (504) 394-7741
Comments: Planting density of *Spartina alterniflora* 1 stem/ft. 600 linear ft. planted. Marsh name: Lake Hermitage. To be planted in Sept. 1993. 5 board wave dampening fences to be constructed prior to planting..

Marsh Inventory No.: 351 **COE Permit No.:** **Size (ha):**
State: LA **County:** Plaquemines **Bay :**
Source of information: Mr. John E. Boatman, U.S. Soil Conservation Service, Plaquemines Soil and Water Conservation District Office, 104 Hebert Boulevard, Belle Chase, LA 70037, (504) 394-7741
Comments: Planting density of *Spartina alterniflora* 1 stem/ft. 600 linear ft. planted. Marsh name: Lake Laurier. To be planted in Sept. 1993. 5 board wave dampening fences to be constructed prior to planting..

Marsh Inventory No.: 129 **COE Permit No.:** GP890950 **Size (ha):** 0.405
State: LA **County:** Plaquemines **Bay :**
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: .

Marsh Inventory No.: 127 **COE Permit No.:** **Size (ha):** 0.567
State: LA **County:** Plaquemines **Bay :**
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: Permit # PLAQUEMINES-505.

Marsh Inventory No.: 120 **COE Permit No.:** **Size (ha):** 0.243
State: LA **County:** Plaquemines **Bay :**
Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.
Comments: Permit # PLAQUEMINES-427.

Marsh Inventory No.: 118 **COE Permit No.:** **Size (ha):** 8.094

State: LA **County:** Plaquemines **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # PLAQUEMINES-391.

Marsh Inventory No.: 115 **COE Permit No.:** **Size (ha):** 0.931

State: LA **County:** Plaquemines **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # PLAQUEMINES-330.

Marsh Inventory No.: 71 **COE Permit No.:** **Size (ha):** 0.931

State: LA **County:** Plaquemines **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # PLAQUEMINES-284.

Marsh Inventory No.: 347 **COE Permit No.:** **Size (ha):** 0.121

State: LA **County:** Plaquemines **Bay :**

Source of information: Mr. John E. Boatman, U.S. Soil Conservation Service, Plaquemines Soil and Water Conservation District Office, 104 Hebert Boulevard, Belle Chase, LA 70037, (504) 394-7741

Comments: Planting density of *Spartina alterniflora* 1 stem/ft. 13,050 linear ft. planted. Marsh name: Myrtle Grove. This project was completed in 1991. Survival rate only 2% due to nutria predation. Only 10% of plants were caged. .

Marsh Inventory No.: 350 **COE Permit No.:** none **Size (ha):** 0.017

State: LA **County:** Plaquemines **Bay :**

Source of information: Mr. John E. Boatman, U.S. Soil Conservation Service, Plaquemines Soil and Water Conservation District Office, 104 Hebert Boulevard, Belle Chase, LA 70037, (504) 394-7741

Comments: Planting density of *S. alterniflora* 1 stem/ft. 1,875 linear ft. planted. Marsh name: Yellow Cotton Bay. 5/93 Survival Rate 50%. SE (General Permit) NOD-100. Survival rate higher in this region probably because of greater mineral content of soil.. Plantings were done along a washed-out spoil bank along a canal. Plants showed good to excellent vigor but growth was confined to within nutria-exclusion devices (NED'S). Salinity levels in the area range from 3-10 ppt.

Marsh Inventory No.: 349 **COE Permit No.:** none **Size (ha):** 0.019

State: LA **County:** Plaquemines **Bay :**

Source of information: Mr. John E. Boatman, U.S. Soil Conservation Service, Plaquemines Soil and Water Conservation District Office, 104 Hebert Boulevard, Belle Chase, LA 70037, (504) 394-7741

Comments: Planting density of *Spartina alterniflora* 1 stem/ft. 2,022 linear ft. planted. Marsh name: Bayou Dupont 3/93 Survival rate 10%. Damage due to Hurricane Andrew and nutria. SE (General Permit) NOD-100..

Marsh Inventory No.: 348 **COE Permit No.:** none **Size (ha):** 0.012

State: LA **County:** Plaquemines **Bay :**

Source of information: Mr. John E. Boatman, U.S. Soil Conservation Service,

Plaquemines Soil and Water Conservation District Office, 104 Hebert Boulevard, Belle Chase, LA 70037, (504) 394-7741

Comments: Planting density of *Spartina alterniflora* 1 stem/ft. 1,320 linear ft. planted. Marsh name: Round Lake. Survival rate poor (3%). Causes include nutria predation, shoreline erosion, Hurricane Andrew, soils. . . Although 70% of plants were caged, once cages deteriorated or were opened by Hurricane Andrew, nutria ate the plants. Only plants away from the shoreline and still in cages survived. Also, plants not on firm soils failed to establish.

Marsh Inventory No.: 91 **COE Permit No.:** **Size (ha):** 2.428

State: LA **County:** St. Bernard **Bay :** Breton Sound

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # MRGO-70.

Marsh Inventory No.: 92 **COE Permit No.:** **Size (ha):** 2.428

State: LA **County:** St. Bernard **Bay :** Breton Sound; Lake Machias

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # LAKE MACHIAS-19.

Marsh Inventory No.: 93 **COE Permit No.:** **Size (ha):** 6.071

State: LA **County:** St. Bernard **Bay :** Breton Sound; Yscloskey Bayou

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # YSCLOSKEY BAYOU-14.

Marsh Inventory No.: 98 **COE Permit No.:** **Size (ha):** 1.943

State: LA **County:** St. Bernard **Bay :** Chandeleur Sound

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # ST. BERNARD-43.

Marsh Inventory No.: 113 **COE Permit No.:** **Size (ha):** 0.850

State: LA **County:** St. Bernard **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # ST. BERNARD-47.

Marsh Inventory No.: 112 **COE Permit No.:** **Size (ha):** 0.809

State: LA **County:** St. Bernard **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # ST. BERNARD-45.

Marsh Inventory No.: 75 **COE Permit No.:** **Size (ha):** 16.188

State: LA **County:** St. Martin **Bay :** Atachafalaya Floodway

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # LITTLE BAYOU CHEVREA.

Marsh Inventory No.: 643 **COE Permit No.:** **Size (ha):**

State: LA **County:** St. Tammeny **Bay :** Lake Pontchartrain

Source of information: Mr. Tony Beauboef, SCS, Franklinton, LA, (504) 839-5688

Comments: Site was evaluated in 1988 and 1989..

Marsh Inventory No.: 95 **COE Permit No.:** **Size (ha):** 0.975

State: LA **County:** Terrebonne **Bay :** Caillou Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # TERREBONNE-763.

Marsh Inventory No.: 94 **COE Permit No.:** **Size (ha):** 1.214

State: LA **County:** Terrebonne **Bay :** Caillou Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # CHARLEYS BAY-3.

Marsh Inventory No.: 644 **COE Permit No.:** **Size (ha):**

State: LA **County:** Terrebonne **Bay :** Lake DeCade

Source of information: Mr. Michael Tullos, U.S. Soil Conservation Service, Houma Field Office, Box 1266, Houma, LA 10361, (504) 872-5609

Comments: Site was evaluated in 1988 and 1989..

Marsh Inventory No.: 102 **COE Permit No.:** **Size (ha):** 80.940

State: LA **County:** Terrebonne **Bay :** Lake Pelto

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # GOM-3450.

Marsh Inventory No.: 109 **COE Permit No.:** **Size (ha):** 10.846

State: LA **County:** Terrebonne **Bay :** Terrebonne Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # LITTLE BAYOU CHEVREA.

Marsh Inventory No.: 108 **COE Permit No.:** **Size (ha):** 0.040

State: LA **County:** Terrebonne **Bay :** Terrebonne Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # TERREBONNE-536A.

Marsh Inventory No.: 107 **COE Permit No.:** **Size (ha):** 1.295

State: LA **County:** Terrebonne **Bay :** Terrebonne Bay

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # TERREBONNE-519/1.

Marsh Inventory No.: 123 **COE Permit No.:** **Size (ha):** 0.526

State: LA **County:** Terrebonne **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # TERREBONNE-798.

Marsh Inventory No.: 122 **COE Permit No.:** **Size (ha):** 1.862

State: LA **County:** Terrebonne **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # JACK STOUT BAY-1.

Marsh Inventory No.: 74 **COE Permit No.:** **Size (ha):** 1.821

State: LA **County:** Terrebonne **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # TERREBONNE-583.

Marsh Inventory No.: 73 **COE Permit No.:** **Size (ha):** 0.405

State: LA **County:** Terrebonne **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # TERREBONNE-559.

Marsh Inventory No.: 72 **COE Permit No.:** **Size (ha):** 0.809

State: LA **County:** Terrebonne **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # TERREBONNE-536.

Marsh Inventory No.: 70 **COE Permit No.:** **Size (ha):** 8.175

State: LA **County:** Terrebonne **Bay :**

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # TERREBONNE-528.

Marsh Inventory No.: 645 **COE Permit No.:** **Size (ha):**

State: LA **County:** Vermilion **Bay :** Rollover Bayou

Source of information: Mr. Donald Menard, U.S. Soil Conservation Service, Abbeville Field Office, P.O. Box 68, Abbeville, LA 70511-0068, (318) 893-5664

Comments: Site was evaluated in 1988 and 1989..

Marsh Inventory No.: 89 COE Permit No.: Size (ha): 0.931

State: LA County: Bay : Bayou De La Valle

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # BAYOU DE LA VALLE-7.

Marsh Inventory No.: 88 COE Permit No.: Size (ha): 0.809

State: LA County: Bay : Bayou De La Valle

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # BAYOU DE LA VALLE-4.

Marsh Inventory No.: 90 COE Permit No.: Size (ha): 16.188

State: LA County: Bay : Bayou Terrebonne

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # TERREBONNE-690.

Marsh Inventory No.: 99 COE Permit No.: Size (ha): 4.047

State: LA County: Bay : Grand Bayou

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # GRAND BAYOU-155.

Marsh Inventory No.: 103 COE Permit No.: Size (ha): 0.283

State: LA County: Bay : Lake Pontchartrain

Source of information: Mr. Andreas Mager, Jr., NMFS SE Region Headquarters, Habitat Conservation Division, 9721 Executive Center Drive, St. Petersburg, FL 33702; (813) 893-3503.

Comments: Permit # Lake Pontchartrain-5.

Marsh Inventory No.: 667 COE Permit No.: Size (ha): 8.903

State: ME County: Bay : Webhannet River

Source of information: Mr. Bill Hubbard, COE, (617) 647-8552

Comments: Built by Environmental Concern, Inc.. Marsh name: Webhannet River Marsh.

Marsh Inventory No.: 393 COE Permit No.: Size (ha): 0.040

State: ME County: Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Kittery Restoration.

Marsh Inventory No.: 480 COE Permit No.: Size (ha): 0.040

State: ME County: Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Leather Loft.

Marsh Inventory No.: 585 **COE Permit No.:** **Size (ha):** 0.081

State: MD **County:** Kent **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Little Neck Farm.

Marsh Inventory No.: 651 **COE Permit No.:** **Size (ha):**

State: MD **County:** Queen Anne **Bay :** Broad Bay

Source of information: Donald W. Hamer, U.S. Soil Conservation Service, 1536 Rt. 9 North, Cape May Court House, NJ 08210 (609) 465-5901

Comments: .

Marsh Inventory No.: 527 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** Talbot **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Roderick Hickey, Little Neck Creek.

Marsh Inventory No.: 564 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** Talbot **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Bruce Hackett/Island Creek.

Marsh Inventory No.: 589 **COE Permit No.:** **Size (ha):** 0.081

State: MD **County:** Talbot **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: John Swope/Irish Creek.

Marsh Inventory No.: 650 **COE Permit No.:** **Size (ha):**

State: MD **County:** **Bay :** Chesapeake Bay

Source of information: Donald W. Hamer, U.S. Soil Conservation Service, 1536 Rt. 9 North, Cape May Court House, NJ 08210 (609) 465-5901

Comments: No *S. alterniflora* planted..

Marsh Inventory No.: 654 **COE Permit No.:** **Size (ha):**

State: MD **County:** **Bay :** Chester River

Source of information: Donald W. Hamer, U.S. Soil Conservation Service, 1536 Rt. 9 North, Cape May Court House, NJ 08210 (609) 465-5901

Comments: .

Marsh Inventory No.: 653 **COE Permit No.:** **Size (ha):**

State: MD **County:** **Bay :** Choptank River

Source of information: Donald W. Hamer, U.S. Soil Conservation Service, 1536 Rt. 9 North, Cape May Court House, NJ 08210 (609) 465-5901

Comments: .

Marsh Inventory No.: 380 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: San Domingo.

Marsh Inventory No.: 387 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Hambleton Island SD.

Marsh Inventory No.: 386 **COE Permit No.:** **Size (ha):** 0.081

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Sand Spit.

Marsh Inventory No.: 385 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Hambleton Island Salt Pan.

Marsh Inventory No.: 384 **COE Permit No.:** **Size (ha):** 0.121

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Long Point Island.

Marsh Inventory No.: 383 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Tred Avon River.

Marsh Inventory No.: 382 **COE Permit No.:** **Size (ha):** 0.081

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Rich Neck.

Marsh Inventory No.: 381 **COE Permit No.:** **Size (ha):** 0.081

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Hambleton Island.

Marsh Inventory No.: 284 **COE Permit No.:** **Size (ha):** 1.619

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Dredged material stabilization project.. Marsh name: Tar Bay

Marsh Inventory No.: 392 **COE Permit No.:** **Size (ha):** 0.081
State: MD **County:** **Bay :**
Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620
Comments: Built by Environmental Concern, Inc.. Marsh name: Hambleton Island BC.

Marsh Inventory No.: 391 **COE Permit No.:** **Size (ha):** 0.040
State: MD **County:** **Bay :**
Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620
Comments: Built by Environmental Concern, Inc.. Marsh name: Harris Creek.

Marsh Inventory No.: 390 **COE Permit No.:** **Size (ha):** 0.040
State: MD **County:** **Bay :**
Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620
Comments: Built by Environmental Concern, Inc.. Marsh name: Cober.

Marsh Inventory No.: 288 **COE Permit No.:** **Size (ha):** 0.809
State: MD **County:** **Bay :**
Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620
Comments: Dredged material stabilization project.. Marsh name: Knapps Narrows -
COE

Marsh Inventory No.: 395 **COE Permit No.:** **Size (ha):** 0.081
State: MD **County:** **Bay :**
Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620
Comments: Built by Environmental Concern, Inc.. Marsh name: Ray's Point.

Marsh Inventory No.: 394 **COE Permit No.:** **Size (ha):** 0.040
State: MD **County:** **Bay :**
Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620
Comments: Built by Environmental Concern, Inc.. Marsh name: Slaughter Creek-
Shore.

Marsh Inventory No.: 398 **COE Permit No.:** **Size (ha):** 0.081
State: MD **County:** **Bay :**
Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620
Comments: Built by Environmental Concern, Inc.. Marsh name: Bliss.

Marsh Inventory No.: 397 **COE Permit No.:** **Size (ha):** 0.081
State: MD **County:** **Bay :**
Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box
P, St. Michaels, MD 21663, (410) 745-9620
Comments: Built by Environmental Concern, Inc.. Marsh name: Hambleton Island
1977 Breach.

Marsh Inventory No.: 396 **COE Permit No.:** **Size (ha):** 0.040
State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: R. Warbasse.

Marsh Inventory No.: 403 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Berlin.

Marsh Inventory No.: 402 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Francis Somers.

Marsh Inventory No.: 401 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Miller.

Marsh Inventory No.: 400 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Nevius.

Marsh Inventory No.: 399 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Turkey Neck Point.

Marsh Inventory No.: 408 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: St. Mary's College.

Marsh Inventory No.: 407 **COE Permit No.:** **Size (ha):** 0.121

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Nelson Point Farm.

Marsh Inventory No.: 406 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** **Bay :**

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Bullard.

Marsh Inventory No.: 413 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Dr. G. Callender.

Marsh Inventory No.: 412 **COE Permit No.:** **Size (ha):** 0.324

State: MD **County:** Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: E.G. Uhl.

Marsh Inventory No.: 411 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Dunmoyle.

Marsh Inventory No.: 410 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: William Hahn.

Marsh Inventory No.: 419 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: G.A. Van Lennep, Jr.

Marsh Inventory No.: 418 **COE Permit No.:** **Size (ha):** 0.081

State: MD **County:** Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: S. Hamblin.

Marsh Inventory No.: 417 **COE Permit No.:** **Size (ha):** 0.081

State: MD **County:** Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: R. Dresser.

Marsh Inventory No.: 416 **COE Permit No.:** **Size (ha):** 0.040

State: MD **County:** Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: Miles River Bridge.

Marsh Inventory No.: 429 **COE Permit No.:** **Size (ha):** 0.243

State: MD **County:** Bay :

Source of information: Dr. Edgar Garbisch, Environmental Concern, Inc., P.O.Box P, St. Michaels, MD 21663, (410) 745-9620

Comments: Built by Environmental Concern, Inc.. Marsh name: E.B.M. White.