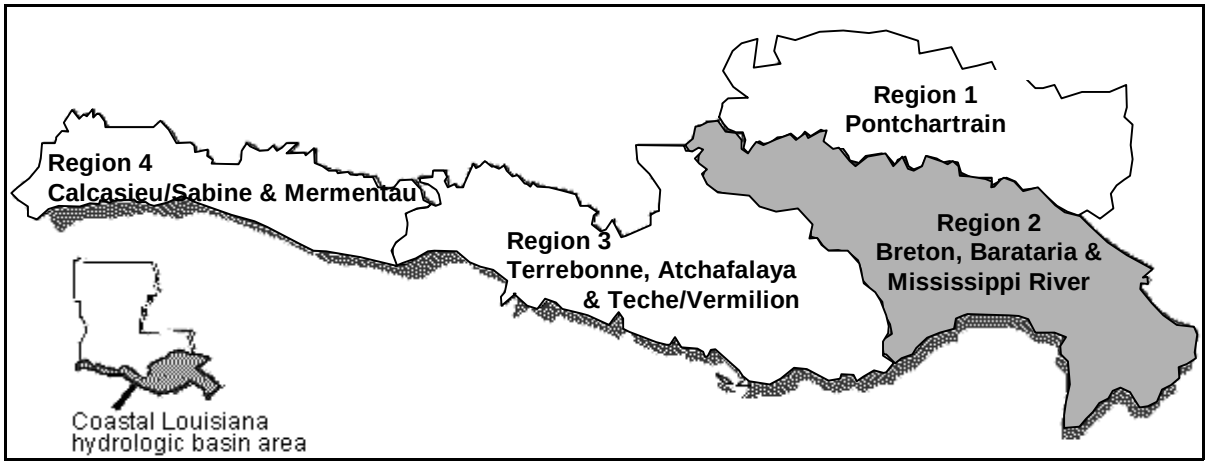
REGION 2



INTRODUCTION

Region 2 includes the Breton Sound and Barataria basins and the Mississippi River Delta. It stretches from the MRGO on the east, to Bayou Lafourche on the west, and from the Mississippi River on the north to the Gulf of Mexico on the south. This region covers all or part of the following parishes: St. Bernard; Plaquemines; Jefferson; Lafourche; St. Charles; St. James; St. John the Baptist; and Assumption.

Fresh marshes exist in the northern extent of this region, with a band of intermediate marshes to the south. The central portion contains brackish marshes, with saline marshes fringing the Gulf of Mexico and Breton Sound. The southern end of the Barataria Basin is bounded by a series of barrier headlands, islands, and shoreline.

Region 2 contains 894,700 acres of coastal wetlands. These wetlands are classified as 90,000 acres of bottomland hardwood forests, 146,000 acres of cypress-tupelo swamps, 220,100 acres of fresh marshes, 73,000 acres of intermediate marshes, 214,500 acres of brackish marshes, and 151,100 acres of saline marshes.

This region lost approximately 360,000 acres of wetlands between 1932 and 1990, an average of 6,207 acres per year. Estimates from 1978 to 1990 indicate that the wetland loss rate was even higher during this shorter time period and averaged 8,960 acres per year. This region is currently experiencing some of the highest rates of land loss across Louisiana's coast; therefore, there is a high concentration of restoration projects in the area. Factors that are contributing to this degradation include: altered hydrology; oil and gas access canals and associated saltwater intrusion; nutria herbivory; wind-induced shoreline erosion; and high subsidence rates.

Habitat objectives for the year 2050 are the result of a cooperative effort between the public, parish governments, and Coast 2050 Regional Team members. Several large diversions into the Barataria Basin are proposed to extend the fresh marshes south of Little Lake and across the basin through the Myrtle Grove area. Another objective is to create a new strip of fresh marsh parallel to the Mississippi River from West Pointe a la Hache to Venice and near the river in American Bay. A band of intermediate marsh is desired gulf-ward of the fresh marshes, and brackish marshes are desired to its south in the vicinity of Barataria Bay. Additional objectives include the restoration and maintenance of barrier islands and the barrier shoreline.

Coast 2050 identified specific regional ecosystem strategies for protecting and

sustaining the region's coastal resources (Figure 6). These specific ecosystem strategies can be grouped into one of the following five general categories: restoring swamps; restoring and sustaining marshes; protecting bay and lake shorelines; restoring and maintaining barrier headlands, islands, and shorelines; and maintaining critical landforms on the Central Basin Land Bridge.

PROJECT INFORMATION

A total of 110 restoration projects have been authorized for Region 2 (Table 2). Project specific information is presented below organized by project funding source.

BREAUX ACT

A total of 37 projects have been authorized under the direction of the Breaux Act in Region 2, which are anticipated to benefit 59,484 acres of wetlands at a cost of $135,378,286. Projects constructed under the Breaux Act in Region 2 this year are Barataria Bay Waterway East "Dupre Cut" Bank Protection (BA-26) and Vegetation Planting of Grand Terre Island (BA-28).

Three projects in Region 2 address imminent marsh loss due to changes in natural hydrology. The constructed projects are Jonathan Davis Wetland Protection (BA-20) and Bayou L'Ours Ridge (BA-22), and the authorized project is GIWW to Clovelly Wetlands (BA-02).

Eight freshwater diversion projects have been authorized in Region 2. They are designed to increase fluvial input into degraded wetlands which have been isolated from the Mississippi River's seasonal flooding through the construction of levees. The addition of freshwater, sediment, and nutrients will greatly benefit these areas.

Three projects within Region 2 protect the shoreline of Lake Salvador and the Barataria Bay Waterway by using rock dikes to absorb wave energy. At the Barataria Bay Waterway West (BA-23) project, a 9,400 linear foot rock dike was constructed, and a 17,600 linear foot rock dike was constructed at Barataria Bay Waterway East (BA-26). In addition to a 8,000 linear foot rock dike, the Lake Salvador Shore Protection (BA-15) project is testing four different types of wave absorbers (10,000 linear feet total) to determine the most effective means of preventing shoreline erosion. Two additional shoreline protection projects in the Barataria Bay Basin are authorized. They are Barataria Bay Basin Shoreline Protection Phase I and II, and Phase III (BA-27/27b; BA-27c).

The sediment diversion at Channel Armor Gap Crevasse (MR-06) is an uncontrolled diversion located in the lower Mississippi River Delta. This project distributes both nutrients and sediment directly from the Mississippi River. It was constructed in 1997 and is expected to create approximately 936 acres of wetlands. The Delta Wide Crevasses (MR-09a) project, designed to build new delta splays, was constructed in 1999 and is similarly designed to distribute river sediment. Combined, these

Construction of a rock breakwater for Barataria Bay Waterway East "Dupre Cut" Bank Protection (BA-26) which was completed in 2001.

projects are expected to create nearly 2,400 acres of marshes. Other similar projects are the West Bay Sediment Delivery (MR-03) project, which is planned for construction in 2002, and Delta Building Diversion South of Empire (BA-31), which is still in the early design phase.

Four outfall management projects are authorized for Region 2: Naomi Outfall Management (BA-03c); West Pointe a la Hache Outfall Management (BA-04c); Caernarvon Outfall Management (BS-03a); and, Delta Management at Fort St. Philip (BS-11). All four projects involve controlling and directing diverted river water to increase dispersion and retention time of freshwater, nutrients and sediment within the brackish marshes.

Three barrier island restoration projects exist within Region 2. The Vegetation Planting of Grand Terre Island (BA-28) was recently constructed in 2001. Construction dates for East/West Grand Terre Islands Restoration (BA-30) and Barrier Island Restoration Grand Terre to SW Pass (BA-32) are still pending.

Three Breaux Act projects will utilize dredged material to create wetlands. Marsh Creation South of Leeville (BA-29) will create marsh habitat in open water areas. Combination Dustpan and Cutterhead Maintenance Dredging (MR-10) is a demonstration project that will beneficially utilize dredged spoil from routine dredging of the Mississippi River Navigation Channel in order to create and restore marshes. The Barataria Bay Waterway (BA-19) project expanded on an earlier state-funded project by creating an additional 9 acre containment area that was filled with dredged material.

The Breaux Act Task Force officially deauthorized six projects in Region 2, which are Fourchon Hydrologic Restoration (BA-18), Bayou Perot and Bayou Rigolettes Marsh Restoration (BA-21), White's Ditch Outfall Management (BS-04a), Grand Bay Crevasse (BS-07), Pass-a-Loutre Crevasse (MR-07), and Beneficial Use of Hopper Dredged-Material Demonstration (MR-08).

STATE

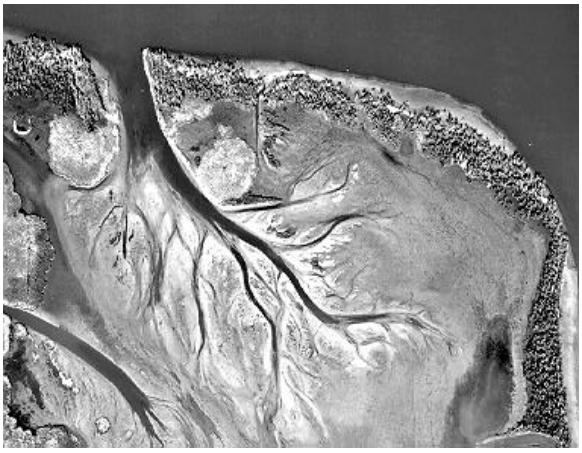
Nine projects were implemented in Region 2 by the CRD and funded by the Wetlands Trust Fund and/or local Parish funds. These projects benefitted an estimated 9,143 acres of land at a cost of $16,828,368.

In Region 2, three freshwater diversion projects, all which have been constructed, are designed to create marshes through the diversion of nutrients, sediment, and freshwater from the Mississippi River into adjacent marshes. These projects are Naomi Freshwater Diversion (BA-03), West Pointe a la Hache Diversion (BA-04), and Violet Freshwater Distribution (BS-06).

Four shoreline protection projects [Baie de Chactas (BA-05c), Bayou Segnette (BA-16), Grand Isle Bay Side Breakwaters, and North Grand Isle Bay Side Breakwaters] used shell or rock to protect and rebuild eroding shorelines.

The Small Sediment Diversions project included the construction of ten crevasses in the Mississippi River Delta. These diversions cumulatively created 6,719 acres of emergent marshes between 1986 and 1993. Land growth rate ranged from 28 to 103 acres per year for the older crevasses that were four to 10 years old, and 0.5 to 12 acres per year for the younger crevasses that were zero to two years old.

The Queen Bess Island (BA-05b) project, a beneficial use of dredged material project, has helped to restore this important



Aerial photograph of the PAL-1 crevasse in 1996, 10 years post construction. Note the significant sediment accumulation in this formerly open water area.

coastal island. It also restored critical nesting habitat for Louisiana's state bird, the brown pelican (*Pelecanus occidentalis*). More than 1,200 nests were built in 1998, and more than 2,000 chicks fledged that year.

PARISH COASTAL WETLANDS RESTORATION PROGRAM

Ten Christmas tree projects have been constructed in Region 2, totaling 18,045 linear feet of protective fences. The Goose Bayou, Whiskey Canal, Leeville, Fourchon, Eighty Arpent Canal, and Bayou Lafourche projects were constructed between 1991 and 2000, and have been maintained periodically. In 2001, the following four projects were constructed: Bayou Bienvenue, Bayou Segnette, Bayou Gauche, and Catfish Lake.

DNR/NRCS/SWCC VEGETATION PLANTING PROGRAM

Since 1988, a total of 47 vegetation planting projects have been implemented in Region 2. These projects have incorporated approximately 154,000 plants (mostly smooth cordgrass) along more than 440,686 linear feet of shoreline/bankline. Several phases, which span over several years, exist for many of the planting projects. The vegetation planting projects that were constructed in 2001 in Region 2 are Myrtle Grove, Elmers Island, Bayou Mandeville, Barataria Waterway Pump-In, Barataria Waterway, East Golden Meadow, and Deer Range Canal.

SECTION 204/1135

Within Region 2, the three Section 204/1135 projects which created marshes using dredged material are Grand Terre Island Wetland Creation, Barataria Bay Waterway (mile 31 to 24.5), and Barataria Waterway (Grand Terre, Phase II). Approximately 115 aces of marshes were created on Grand Terre Island. The two Barataria Bay Waterway projects created approximately 205 acres of marshes along 6.5 miles of waterway.

FEDERAL (WRDA)

Two freshwater diversion projects, authorized under the Federal Water Resources Development Act, will benefit the largest acreage of wetlands, thus far. The Davis Pond Freshwater Diversion project, completed in 2001, will preserve 33,000 acres of deteriorating wetlands in the Barataria Basin. The Caernarvon Freshwater Diversion project, completed in 1991, has an area which includes 55,440 acres of wetlands in the Breton Sound hydrologic basin. Following three years of full operation (1992 to 1995), an aerial photography analysis indicated an increase of 404 acres of wetlands in a 9,213 acre sub-sample within the outfall area of the project. This represents a 5.9% increase per year in emergent wetlands.

Construction of the Davis Pond Freshwater Diversion structure completed in 2001.

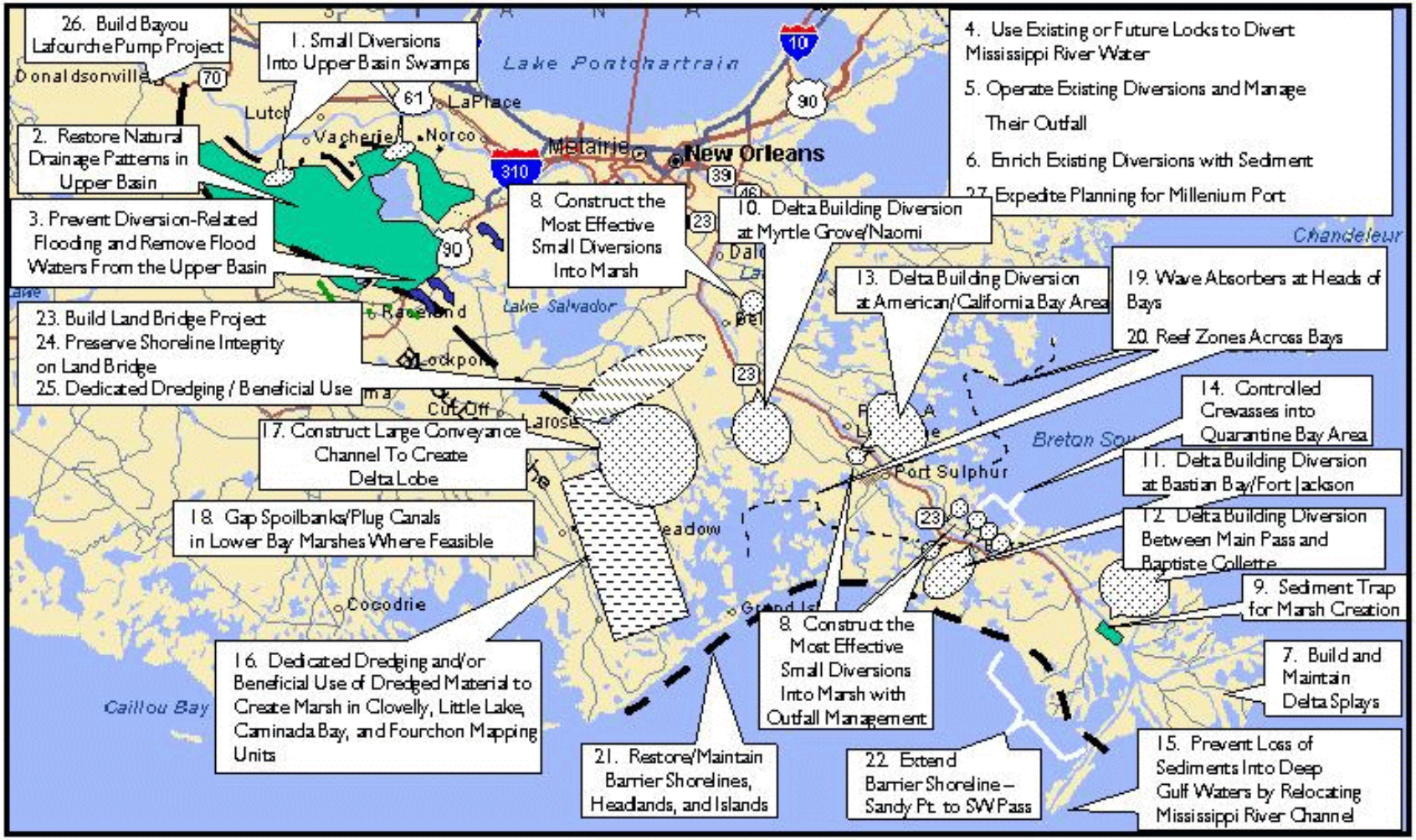


Figure 6. Coast 2050 Region 2 ecosystem strategies.

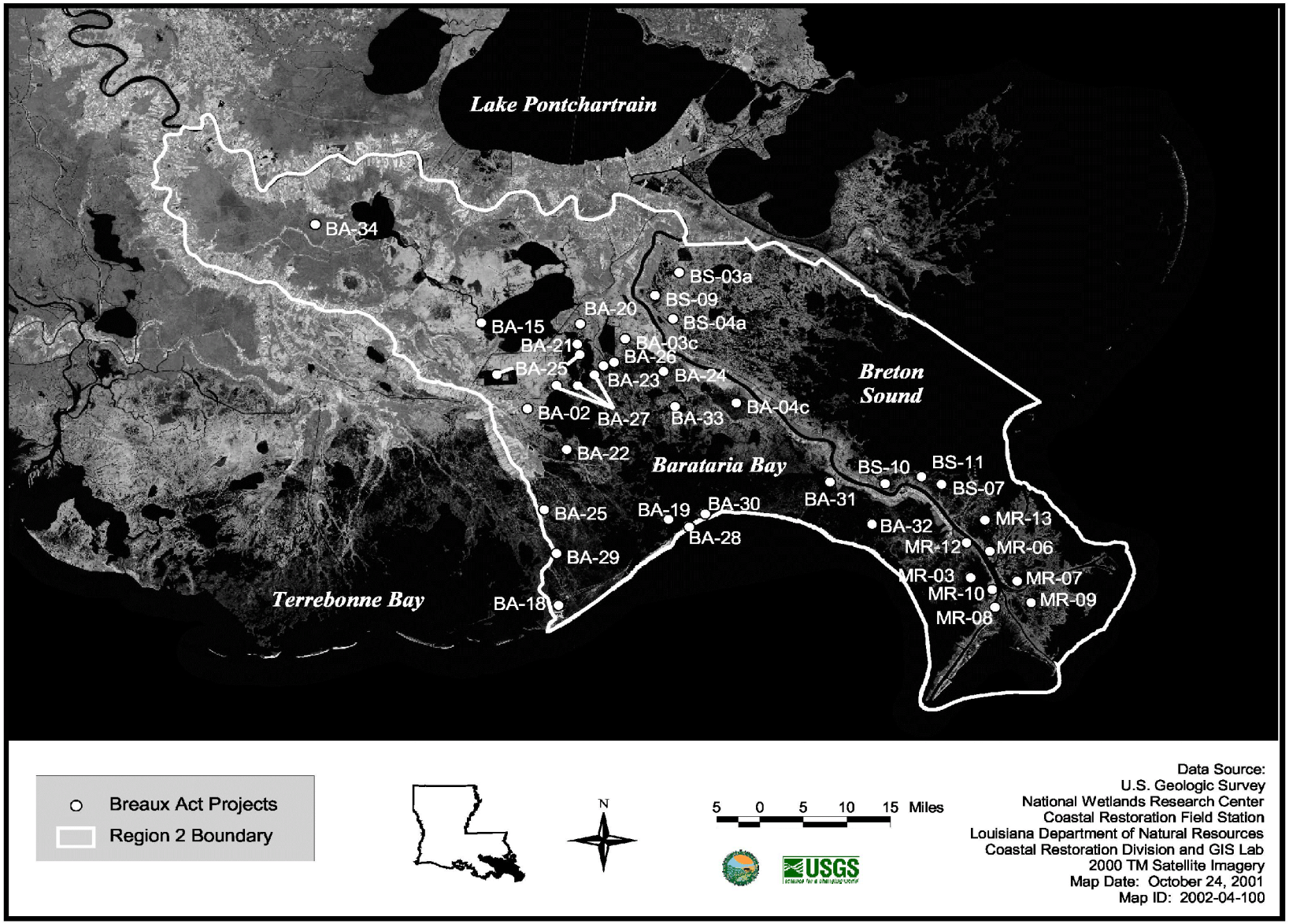


Figure 7. Location of Breaux Act projects authorized in Coast 2050 Region 2.

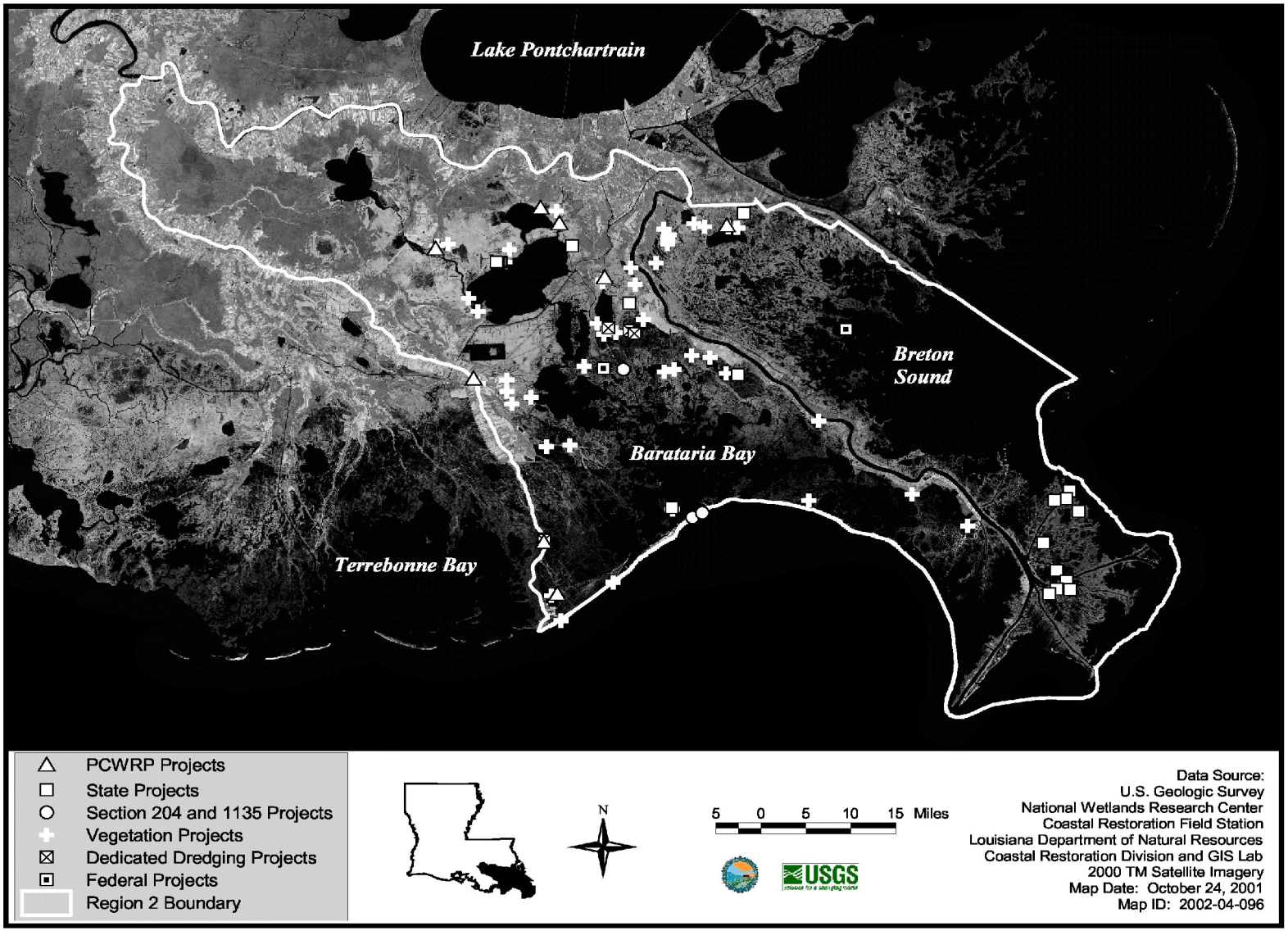


Figure 8. Location of PCWRP, State, Section 204 and 1135, Vegetation, Dedicated Dredging, and Federal projects in Coast 2050 Region 2.

Table 2. Restoration projects completed or pending in Coast 2050 Region 2.

Program	Project Number State/Federal	Project Name	Project Type	PPL	Agency/ Sponsor	Senator/Representative	Parish	Anticipated Acres Benefitted	Activities: Engineering, Design, and Landrights	Activities: Construction	Activities: Operation, Maintenance, and Monitoring	Original Baseline Cost (top) and Current Cost Estimate (bottom)
Breaux Act	BA-02 (BA-02)	GIWW to Clovelly Hydrologic Restoration (Revised)	HR	1	NRCS	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	2,052	C $986,900	2000 $4,870,000	I $2,471,703	$8,141,512 $8,328,603
		This project will protect and maintain approximately 2,052 acres of intermediate marsh in the project area by restoring natural hydrologic conditions that promote greater use of available freshwater and nutrients. This will be accomplished by greater freshwater retention and utilization, limiting rapid water level changes, slowing water exchange through over-bank flow, reducing rapid salinity increases, and reducing saltwater intrusion (The construction of Unit 1 was completed in 1997 and Unit 2 was completed in 2000).										
	BA-03c (BA-03c)	Naomi Outfall Management	OM	5	NRCS	Sen. Lynn B. Dean & J. Chris Ullo Rep. Ernest D. Wooton	Plaquemines	633	C $240,500	No Date $784,000	I $1,078,150	$1,686,865 $2,102,650
		This project was authorized to manage freshwater diverted from the Mississippi River through the Naomi siphons by the installation of two water control structures designed to reduce freshwater loss and saltwater intrusion. Specific goals are to reduce the rate of conversion of marsh to open water, increase relative abundance of intermediate to fresh marsh type plant species, and decrease mean salinity within the project area.										
	BA-04c (BA-04c)	West Pointe a la Hache Outfall Management	OM	3	NRCS	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	1,087	C $637,409	No Date $1,587,667	NI $1,666,193	$881,148 $4,068,045
		This project provides for management of the West Pointe a la Hache Siphon outfall area to maximize the retention of freshwater, nutrients, and sediment within interior brackish marshes to counteract saltwater intrusion and wetland loss.										
	BA-15 (BA-15)	Lake Salvador Shore Protection Demonstration (Phase I, II)	SP	3	NMFS	Sen. Joel T. Chaisson, II Rep. Gary L. Smith	St. Charles	N/A	C $350,635	1997-I 1998-II $1,997,332	I $195,131	$1,444,628 $2,543,098
		Phase I of the project tested four types of shoreline protection structures in an area of high wave energy and unstable soils. Phase II of the project included the installation of 8,000 feet of a continuous rock structure along the northwest shore of Lake Salvador, beginning at Bayou des Allemands and proceeding northeast. Both phases have been completed. Phase I structures did not perform well, but Phase II has significantly reduced shoreline erosion.										
	BA-18 (BA-18)	Fourchon Hydrologic Restoration	HR	1	NMFS	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	N/A	 $6,999	Deauthorized $0	 $0	$252,036 $6,999
		This project, located in Lafourche Parish, was intended to restore typical estuarine functions to an impounded area by establishing regular tidal exchange and reducing mean water levels. The project was officially deauthorized by the Breaux Act Task Force in July of 1994 at the request of the landowner.										
	BA-19 (BA-19)	Barataria Bay Waterway Marsh Creation	MC	1	USACE	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	445	C $151,291	1996 $945,678	I $83,424	$1,759,257 $1,180,393
		Phase I of this project is located at Queen Bess Island, east of the Barataria Bay Waterway and north of Grand Isle in Jefferson Parish. The project was originally planned to create 445 acres of marsh over the 20-year project life. Phase I has created no marsh since dredge material was placed. Phase II will be located at some of the fourteen other dredge fill areas planned for this project. Phase I of construction was completed in October of 1996.										

(continued)

Program	Project Number State/Federal	Project Name	Project Type	PPL	Agency/ Sponsor	Senator/Representative	Parish	Anticipated Acres Benefitted	Activities			Original Baseline Cost (top) and Current Cost Estimate (bottom)
									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Breaux Act (continued	BA-20 (PBA-35)	Jonathan Davis Wetland Protection (PBA-35)	HR/SP	2	NRCS	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	1,578	I $714,199	2001 $8,245,346	I $3,384,806	$3,398,867 $12,479,727
		A 34,000-foot rock dike was constructed along the entire southern boundary of the project area to reduce shoreline erosion and restore hydrologic conditions. The project will reduce water level and salinity fluctuations (variability), allow greater freshwater retention to increase emergent vegetation, and create conditions that are conducive to the maintenance of fresh and intermediate marsh. Phase I of this project is complete.										
	BA-21 (XBA-65a)	Bayou Perot and Bayou Rigolettes Marsh Restoration	MC	3	NMFS	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson/ Lafourche	N/A	 $13,574	Deauthorized $1,294	 $6,095	$1,835,047 $20,963
		This project was initially authorized to protect deteriorated intermediate to brackish marsh located between Lake Salvador and Little Lake by using spray dredge sediment to create a 250-foot wide berm in order to reestablish the shoreline. Due to an unstable and rapidly eroding site, the project was deemed unfeasible and was officially deauthorized by the Breaux Act Task Force in January of 1998.										
	BA-22 (PBA-34i)	Bayou L'Ours Ridge Hydrologic Restoration	HR	4	NRCS	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	737	I $374,454	2002* $1,149,900	NI $1,268,867	$2,418,676 $2,793,221
		This project will restore natural hydrologic flow to the marsh by reinforcing breached areas of the Bayou L'Ours Ridge through a series of canal closures and two water control structures. These structures are designed to prevent an increase in saltwater intrusion and reduce the influence of tidal action.										
	BA-23 (PBA-12a)	Barataria Bay Waterway West Side Shoreline Protection	SP	4	NRCS	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	232	I $254,963	2000 $2,172,232	I $877,592	$2,192,418 $3,304,787
		This project will restore the natural hydrology within the marsh by reconstructing the Barataria Bay Waterway (BBW) shoreline through the use of dredged material and rock armoring along 9,400 linear feet of the west bank. This hydrologic barrier will protect marsh from excessive wave energy, water level fluctuations, and saltwater intrusion from the BBW.										
	BA-24 (XBA-48a)	Myrtle Grove Siphon (Phase I)	FD	5	NMFS	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	1,119	I $4,139,639	No Date $8,990,361	NI $1,962,773	$15,525,950 $15,092,773
		This freshwater diversion project will divert a maximum discharge of 2,100 cubic feet/second into the project area, providing the marsh with freshwater, nutrients, and sediment. In addition, it will include one mile of leveed and armored outfall channel, a new pump, and a low-level fixed-crest weir.										
	BA-25 (PBA-20)	Bayou Lafourche Siphon (Phase I)	FD	5	EPA	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Terrebonne/ Lafourche	988	I $1,500,000	No Date $3,778,665	NI $3,112,789	$24,487,337 $8,391,454
		This project incorporates the installation of eight large diversion pipes, for the purpose of creating a siphon. The siphon will pump 1,000 cubic feet/second of freshwater, and reduce marsh loss adjacent to Bayou Lafourche through the introduction of nutrient and sediment laden river water. The siphon should also enhance benefits from the GIWW/Grand Bayou Diversion Project (TE-10).										

(continued)

Program	Project Number State/Federal	Project Name	Project Type	PPL	Agency/ Sponsor	Senator/Representative	Parish	Anticipated Acres Benefitted	Activities			Original Baseline Cost (top) and Current Cost Estimate (bottom)
									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Breaux Act (continued)	BA-26 (PBA-12b)	Barataria Bay Waterway East "Dupre Cut" Bank Protection	SP	6	NRCS	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Orleans/ Jefferson	217	C $565,809	2001 $5,106,060	I $1,307,290	$5,019,900 $6,979,159
		This project will rebuild and stabilize the banks of the Dupre Cut section of the Barataria Bay Waterway (BBW) by installing approximately 17,600 linear feet of rock dike on the east bank of the BBW . This will protect the adjacent marsh from erosion due to boat wakes and saltwater intrusion.										
	BA-27/27b (XBA-63/63ii)	Barataria Bay Basin Shoreline Protection (Phase I, II)	SP	7, 8	NRCS	Sen. J. Chris Ullo, & Reggie P. Dupre Jr. Rep. Ernest D. Wooton	Jefferson/ Lafourche	1,304	I $1,826,285	No Date $14,069,446	NI $1,619,289	$17,515,029 $17,515,020
		This project will protect a deteriorated intermediate to brackish marsh located between Lake Salvador and Little Lake by reducing shoreline erosion. Phase II and II of this project, also designed to abate shoreline erosion, will provide 35,000 linear feet of shoreline protection along Bayous Perot and Rigolettes within the Barataria Basin.										
	BA-27c (XBA-63iii)	Barataria Basin Landbridge Shore Protection (Phase III)	SP	9	NRCS	Sen. J. Chris Ullo , & Reggie P. Dupre Jr. Rep. Ernest D. Wooton	Jefferson/ Lafourche	264	NI $1,279,550	No Date $0	NI $21,194	$1,040,595 $1,300,747
		Phase III of this project encompasses approximately 41,000 feet of shoreline protection. Approximately 26,000 feet of protection will be along the west bank of Bayou Perot and the north shore of Little Lake in Lafourch Parish. In Jefferson Parish, about 9,600 feet of the protection will be along the east bank of Bauyou Rigolettes, and approximately 2,700 feet along each bank of Harvey Cutoff.										
	BA-28 (XBA-1a-i)	Vegetation Planting of Grand Terre Island	VP	7	NMFS	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	127	I $177,330	2001 $496,328	I $137,407	$928,895 $811,065
		The objective of this project is to stabilize two different dredge material sites on Grand Terre Island including: (1) a 1996 USACE dredged disposal area that is completely devoid of vegetation, and (2) a future 80 acre dredge material platform. This will be achieved through development and implementation of a planting protocol to revegetate the disposal areas with native flora. Plantings began in May 2001, and monitoring has also recently begun.										
	BA-29 (BA-32a)	Marsh Creation South of Leeville	MC	9	EPA	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	146	NI $1,127,633	No Date $0	NI $23,851	$1,151,484 $1,283,437
		The objective of this project is to create marsh habitat in a large open water area adjacent to LA Highway 1 using dredge material from two proposed borrow areas. This project is currently in the Phase I evaluation process. Engineering is anticipated to begin in January 2001.										
	BA-30 (XBA-01a)	East/West Grand Terre Islands Restoration	BI/ MC	9	NMFS	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Jefferson	472	NI $2,280,777	No Date $0	NI $31,246	$1,856,203 $2,312,023
		This project will restore East Grand Terre by creating 74 acres of dune and 212 acres of marsh habitat. The barrier shoreline of West Grand Terre will be restored by constructing 40 acres of dune from the Lyle St. Amant Laboratory to the U.S. Army Corps of Engineers disposal area. This project is currently in the Phase I evaluation process.										

(continued)

Program	Project Number State/Federal	Project Name	Project Type	PPL	Agency/ Sponsor	Senator/Representative	Parish	Anticipated Acres Benefitted	Activities			Original Baseline Cost (top) and Current Cost Estimate (bottom)
									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Breaux Act (continued)	BA-31 (Complex Project)	Delta Building South of Empire	SD	9	USACE	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	N/A	NI N/A	No Date N/A	NI N/A	N/A N/A
		The objective of this project is to create marsh in open water south of Empire through the diversion and capture of fluvial sediments from the Mississippi River. Ultimately the project will relay sediments to the barrier shoreline enhancing the ability of these features to regenerate and stabilize.										
	BA-32 (Complex Project)	Barrier Island Restoration Grande Terre to SW Pass	BI	9	NMFS	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	N/A	NI N/A	No Date N/A	NI N/A	N/A N/A
		This project will restore 5 to 10 miles of barrier shoreline from Grand Terre to Sandy Point. A combination of sand, hard structures, and alternative materials will be considered. The project will also determine the feasability of installing wave absorbers as proposed in the Barrier Island Feasability Study (BIFS), or similar protection along inland shorelines.										
	BA-33	Delta-Building Diversion at Myrtle Grove	FD/SD	10	COE	Sen. Lynn B. Dean, J.C. Ullo, Reggie P. Dupre, Jr. Rep. Loulan Pitre, Ernest D. Wooton	Plaquemines, Jefferson, Lafourche	8,891	I $3,002,114	No Date $0	NI $0	$3,002,114 $3,002,114
		This project will involve the installation of five gated box culverts on the bank of the Mississippi River in the vicinity of Myrtle Grove. This project is intended to create intermediate marsh in the northern portion of the project area; reduce land loss rates in the southern portion of the project area; and reduce average salinities throughout the majority of the project area. This project is currently in the Phase I evaluation process.										
	BA-34	Small Freshwater Diversion to the Northwestern Barataria Basin	FD	10	EPA	Sen. Louis J. Lambert, Jr. , Joel T. Chaisson II Rep. Warren L. Triche, Jr., Roy J. Quezaire, Jr.	St. James, Lafourche	NA	I $2,314,925	No Date $0	NI $47,762	$1,899,834 $2,362,687
		The project features include the gapping of spoil banks along Bayou Chevreuil, and the installation of two siphon pipes and vacuum pipes placed over the Mississippi River levee. This project will restore a natural hydrologic regime and add nutrients to cypress-tupelo swamp tracts. This project is currently in the Phase I evaluation process.										
	BS-03a (BS-03a)	Caernarvon Outfall Management	OM	2	NRCS	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	18,200	C $343,940	2002* $2,309,022	I $1,883,038	$2,522,199 $4,536,000
		This project was authorized to increase freshwater dispersion into interior marshes that are currently isolated from Caernarvon Diversion flow during low discharge periods by incorporating culverts, plugs, and spoilbank restoration. Retention of freshwater within the brackish marsh should increase emergent marsh vegetation and diversity, reduce saltwater intrusion and salinity spikes, and increase the occurrence of submerged aquatic vegetation in shallow open-water areas.										
	BS-04a (BS-04a)	White's Ditch Outfall Management	OM	3	NRCS	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	N/A	 $25,341	Deauthorized $0	 $7,521	$756,134 $32,862
		This project was designed to direct the flow of Mississippi River nutrients and sediment into the deteriorating wetlands in the Breton Sound Basin that are not directly benefitted by the Caernarvon Freshwater Diversion Project. Because of the failure to secure landrights, the project was officially deauthorized by the Breaux Act Task Force in March of 1998.										

(continued)

Program	Project Number State/Federal	Project Name	Project Type	PPL	Agency/ Sponsor	Senator/Representative	Parish	Anticipated Acres Benefitted	Activities			Original Baseline Cost (top) and Current Cost Estimate (bottom)
									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Breaux Act (continued)	BS-07 (PBS-06)					Sen. Lynn B. Dean				Deauthorized		$2,468,908
		Grand Bay Crevasse	SD	4	USACE	Rep. Ernest D. Wooton	Plaquemines	N/A	$61,115	$0	$3,327	$64,442
		This project, located in Plaquemines Parish, was designed to rearrange 1,500 tons of rock at the head of the Jurgevich Canal, which would allow 20,000 cubic feet/second of freshwater to flow into the Grand Bay area. Deauthorization was implemented due to objections from the primary landowner. The project was officially deauthorized by the Breaux Act Task Force in July of 1998.										
	BS-09 (PBS-1)	Upper Oak River				Sen. Lynn B. Dean			I	No Date	NI	$2,500,239
		Freshwater Siphon (Phase I)	FD	8	NRCS	Rep. Ernest D. Wooton	Plaquemines	339	$1,423,227	$820,014	$60,305	$2,500,239
		The primary goal of this project is to reverse the trend of interior marsh deterioration in the project area due to saltwater intrusion through installation of a 1,000 cubic feet/second freshwater siphon and outfall channel. This will provide fresh nutrients and sediment to enhance marsh health.										
	BS-10	Delta Building Diversion				Sen. Lynn B. Dean			I	No Date	NI	$1,555,200
		North of Fort St. Phillip	FD/SD	10	COE	Rep. Ernest D. Wooton	Plaquemines	2,473	$1,141,021	$0	$15,170	$1,555,200
		This project consists of dredging a diversion channel through the east bank of the Mississippi River to divert water and sediment into adjacent open water areas. This project is currently in the Phase I evaluation process.										
	BS-11	Delta Management at Fort				Sen. Lynn B. Dean			I	No Date	NI	$363,276
		St. Phillip	OM	10	USFWS	Rep. Ernest D. Wooton	Plaquemines	267	$417,533	$0	$36,556	$454,004
		This project, which includes the construction of terraces in open-water habitat and the construction of 6 crevasses, is intended to increase the flow of freshwater and sediment into shallow, open-water habitat, and to increase sedimentation and marsh building. This project is currently in the Phase I evaluation process.										
	MR-03 (FMR-03)	West Bay Sediment				Sen. Lynn B. Dean			I	2002*	NI	$8,517,066
		Delivery	SD	1	USACE	Rep. Ernest D. Wooton	Plaquemines	9,831	$1,303,355	$4,377,152	$16,339,854	$22,020,409
		This project is an uncontrolled sediment diversion designed to create approximately 9,931 acres of fresh and intermediate marsh through the diversion and capture of fluvial sediments from the Mississippi River. This project has been delayed in the planning stages, however work is scheduled to begin in the 2002.										
	MR-06 (XMR-10)	Channel Armor Gap				Sen. Lynn B. Dean			C	1997	I	$808,397
		Crevasse	SD	3	USACE	Rep. Ernest D. Wooton	Plaquemines	936	$266,788	$242,154	$393,778	$902,720
		The objective of this project is to promote the formation of emergent freshwater marsh in place of a shallow, open water area by increasing the flow of sediment-laden river water into the receiving bay. Specific goals are to increase elevation and cover of emergent wetland vegetation in the project area. To date, preconstruction data regarding suspended sediments and river discharge, elevation, and land/water ratio have been collected. Although no sub-aerial land has formed in the project area after two years, shoals are evident in areas of the receiving bay nearest the crevasse.										
	MR-07 (MR-8/9)					Sen. Lynn B. Dean				Deauthorized		$2,857,790
		Pass-a-Loutre Crevasse	SD	3	USACE	Rep. Ernest D. Wooton	Plaquemines	N/A	$108,114	$0	$11,743	$119,857
		Marsh creation and restoration was the objective of this project. This was to be accomplished through construction of a crevasse on the left descending bank of the Mississippi River between Pass-a-Loutre and Raphael Pass. The project was officially deauthorized by the Breaux Act Task Force in July of 1998 due to high costs attributed to relocating underground utilities in the area. A suitable alternative site could not be found by the USACE.										

(continued)

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									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Breaux Act (continued)	MR-08 (XMR-12)	Beneficial Use of Hopper Dredged -Material Demonstration	DM	4	USACE	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	N/A	C $44,138	No Date $0	 $9,591	$300,000 $53,730
		This three-year demonstration was designed to utilize hopper dredged material to create emergent vegetated marsh in an area that is currently a shallow, open-water pond. More specifically, the goals are to create one acre of emergent vegetated marsh for every 15,000 cubic yards of dredged material deposited in the project area, increase mean elevation, and increase abundance of emergent wetland vegetation. Due to design problems, the project is currently pending deauthorization by the Breaux Act Task Force.										
	MR-09a (PMR-10)	Delta-Wide Crevasses	SD	6	NMFS	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	2,386	C $278,034	1999 $471,360	NA $398,259	$5,473,934 $4,732,653
		The project consists of maintaining presently existing crevasse-splays, the construction of new crevasse-splays, and future maintenance of selected crevasse-splays in both the Pass-A-Loutre Wildlife Management Area (PALWMA) and the Delta National Wildlife Refuge (DNWR). The objective is to promote the formation of emergent freshwater and intermediate marsh. To date, all crevasses have been dredged or re-dredged in accordance with the plan.										
	MR-10 (XMR-12b)	Combination Dustpan and Cutterhead Maintenance Dredging Demonstration	DM	6	USACE	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	N/A	NI $169,614	No Date $1,424,386	NI $46,000	$1,600,000 $1,640,000
		This project will use dredge material from routine maintenance of the Mississippi River Navigation Channel to create and restore adjacent marsh. Approximately 273 acres of deteriorated marsh will be restored with approximately 1.76 million cubic yards of dredge material over the course of three years, with the expectation of an increase in marsh elevation.										
	MR-11 (MR-DEMO)	Periodic Introduction of Sediment at Selected Diversion-Sites Demonstration	FD	9	USACE	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	N/A	NI $69,640	No Date $0	NI $40,090	$109,730 $109,730
		This project will demonstrate the effectiveness of using a dredge to provide sediment input into a diversion structure, where monitoring would determine the characteristics of sediment input concentrations as well as effects in the outfall area. This project is currently in the Phase I evaluation process.										
	MR-12 (Complex Project)	Sediment Trap South of Venice	MC	9	USACE	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	N/A	NI N/A	No Date N/A	NI N/A	N/A N/A
		This project is intended to replace open water south of Venice, LA, with emergent wetlands through the placement of a sediment trap between miles 5 and 1 AHP, on the Mississippi River. The sediment trap will utilize the natural tendency of the river to deposit material in this location.										
	MR-13	Delta-Building Diversion at Benny's Bay	FD/SD	10	COE	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	5,828	I $1,047,083	No Date $0	NI $29,245	$1,076,328 $1,076,328
		This project was authorized to create and/or preserve approximately 5,828 acres of marsh through the construction of a 50,000 cubic feet/second uncontrolled sediment diversion near mile 7.5 AHP of the Mississippi River. This project is currently in the Phase I evaluation process.										
State	BA-03	Naomi Diversion	FD	N/A	N/A	Sen. Lynn B. Dean & J. Ullo Rep. Ernest D. Wooton	Jefferson/ Plaquemines	1,318	C	1992	I	$6,666,667
		This project involves the construction of eight parallel siphons to divert water from the Mississippi River, over the levee, and into the adjacent wetlands near Naomi, LA. The maximum discharge of the siphons is 2,400 cubic feet/second, which will potentially deliver up to 150,000 cubic yards of river sediment into the wetlands annually.										

(continued)

Program	Project Number State/Federal	Project Name	Project Type	PPL	Agency/ Sponsor	Senator/Representative	Parish	Anticipated Acres Benefitted	Activities			Original Baseline Cost (top) and Current Cost Estimate (bottom)
									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
State (continued)	BA-04	West Pointe a la Hache	FD	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	718	C	1992	I	$6,081,800
		This project involves the construction of eight parallel siphons to divert water from the Mississippi River, over the levee, and into the adjacent wetlands on the west side of the river near Pointe a la Hache, Louisiana. The maximum discharge of the siphons is 2,400 cubic feet/second, which will potentially deliver up to 150,000 cubic yards of river sediment into the wetlands annually.										
	BA-05b	Queen Bess	DM	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	15	C	1990	C	$161,250
		The purpose of this project was to restore Queen Bess Island as a brown pelican (*Pelecanus occidentalis*) rookery. Dredged material was added to the island to increase its size in 1991, and a rock dike was installed around the perimeter of the original island in 1992 to armor the shoreline from erosion. Pelican nests continue to increase and the area has become vegetated.										
	BA-05c	Baie de Chactas	SP	N/A	N/A	Sen. Joel T. Chaisson, II Rep. Gary L. Smith	St. Charles	130	C	1990	C	$175,000
		Approximately 300,000 pounds of crushed oyster shell was placed on 7,400 feet of shoreline to restore the physical integrity of the marsh shore separating Lake Salvador and Baie du Chactas and Baie du Cabanage.										
	BA-16	Bayou Segnette	SP	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	88	C	1994, 1998	I	$1,073,151
		This project armored and re-defined approximately 6,800 linear feet of shoreline separating Bayou Segnette from Lake Salvador. Maintenance of this project was necessary in FY 1998-1999 at a cost of $300,000.										
	BS-06	Violet Freshwater Distribution	FD	N/A	N/A	Sen. Lynn B. Dean Rep. Kenneth L. Odinet, Sr.	St. Bernard	100	C	1997	I	$1,000,000
		This project involved the construction of a pumping station located along the south-central edge of the St. Bernard Parish Ridge. This will discharge collected rainfall into the marsh north of Lake Lery and help prevent saltwater intrusion. The project was built in partnership with the Lake Borgne Basin Levee District and was completed in May of 1997.										
		Grand Isle Bay Side Breakwaters	SP	N/A	N/A	Sen. J. Chris Ullo Rep. Loulan Pitre, Jr.	Jefferson	5	C	1995	I	$500,000
		The purpose of this project was to reduce erosion on the bay side of Grand Isle. Fifteen 300-foot breakwaters were constructed on the back-bay side of Grand Isle.										
		North Grand Isle Breakwaters	SP	N/A	N/A	Sen. J. Chris Ullo Rep. Loulan Pitre, Jr.	Jefferson	50	C	1995	N/A	$160,000
		This project was authorized to construct segmented rock breakwaters on the bay side of Grand Isle to protect camps located between Caminada Bay and the west side of LA Hwy 1. The Louisiana Department of Natural Resources contributed no construction funds, and was involved in construction inspection only. The local Levee District supplied construction funds. Construction was completed in June 1995.										

(continued)

Program	Project Number State/Federal	Project Name	Project Type	PPL	Agency/ Sponsor	Senator/Representative	Parish	Anticipated Acres Benefitted	Activities			Original Baseline Cost (top) and Current Cost Estimate (bottom)
									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
State (Continued)		Small Sediment Diversions (10 projects)	SD	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	6,719	C	1986, 1991	I	$1,010,500
		These projects, including MR-01, involve the construction of three new crevasses constructed in FY 86-87 at South Pass, Loomis Pass, and Pass-a-Loutre; four new crevasses constructed as Pass-a-Loutre 1, 2, 3a, and 3b in FY 90-91, and; three new crevasses created in South Pass (2, 3, and 4) in FY 90-91.										
PCWRP		Goose Bayou	SP	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	23	C	1991-2001	I	$324,500
		Goose Bayou is located north of The Pen in Jefferson Parish. The brush fences were constructed to protect the shoreline and promote sediment accretion and vegetation growth at the shoreline. The project was built in 1991 and 1992, with annual maintenance. This includes projects at Bayou Cypress, Bayou LeFleur, and Bayou La Tour.										
		Leeville #1	SP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	2	C	1991-2001	I	$69,938
		Brush fences were built in 1991 to promote sediment accretion along a canal adjacent to LA Hwy 1 in Leeville, LA. Annual maintenance has also been completed.										
		Fourchon	SP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	2	C	1991-2001	I	$71,938
		Brush fences were built in 1992 along a canal to prevent shoreline erosion. Annual maintenance has been completed.										
		Eighty Arpent Canal	SP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	St. Bernard	7	C	1991, 1992, 1997	I	$56,989
		Brush fences were constructed in 1991 and 1992 along Eighty Arpent Canal to promote sediment accumulation and minimize shoreline erosion along the shoreline.										
		Bayou Lafourche	SP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	1	C	1996, 1997, 2000, 2001	I	$18,000
		Wave dampening fences were constructed along Bayou Lafourche to minimize shoreline erosion and reduce erosion damage from boat-induced waves.										
		Whiskey Canal	SP	N/A	N/A	Sen. J. Chris Ullo Rep. John A. Alario, Jr.	Jefferson	2	C	1997	I	$18,000
		Whiskey Canal is located north of Lake Cataouatche in Jefferson Parish. The brush fences were constructed to prevent erosion at the intersection of two canals. The project was built in 1997 with periodic maintenance thereafter.										
		Bayou Bienvenue	SP	N/A	N/A	Sen. Lynn B. Dean Rep. Kenneth L. Odinet, Sr.	St. Bernard	1	C	2001	I	$18,000
		The construction of brush fences will slow water movement, trap sediment, and protect vegetation along Bayou Bienvenue.										
		Bayou Segnette	SP	N/A	N/A	Sen. Jon D. Johnson Rep. Ernest D. Wooton	Jefferson	1	C	2001	I	$33,000
		Approximately 45,000 Christmas trees were placed in an area between Bayou Segnette and Lake Salvador in order to slow water flow and provide additional wildlife and fisheries habitat.										

(continued)

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									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
PCWRP (continued)		Bayou Gauche	SP	N/A	N/A	Sen. Joel T. Chaisson, II Rep. Gary L. Smith	St. Charles	2	C	2001	I	$18,000
		Approximately 50 feet of brush fence were constructed along Bayou Gauche, near the intersection of Grand Bayou and Simmoneaux Ponds, in order to slow water exchange and reduce shoreline scour.										
		Catfish Lake	SP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	1	C	2001	I	$16,000
		Approximately 400 feet of brush fencing were constructed along the the bank of Catfish Lake, just west of Golden Meadow, in order to stabilize that particular section of the hurricane protection levee.										
Vegetation		Salvador WMA	VP	N/A	N/A	Sen. Joel T. Chaisson, II Rep. Gary L. Smith	St. Charles	7	C	1988	I	$46,460
		A total of 900 smooth cordgrass *(Spartina alterniflora)* plants, 900 cattail *(Typha latifolia)* plants, and 900 California bulrush *(Schoenoplectus californicus)* plants were used to stabilize the bank behind newly constructed wave dampening devices.										
		Clovelly	VP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	111	C	1988	I	$21,626
		A total of 24,000 smooth cordgrass *(Spartina alterniflora)* plants were used along 48,000 linear feet of shoreline to minimize shoreline erosion.										
		Kings Ridge	VP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, JR.	Lafourche	1	C	1989, 1990, 2001	I	$52,604
		A total of 1,345 smooth cordgrass *(Spartina alterniflora)* plants were used to provide a living natural barrier for protection against wave-induced shoreline erosion.										
		Queen Bess Island	VP	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	9	C	1991, 1993, 1997, 2000	I	$10,970
		A total of 688 smooth cordgrass *(Spartina alterniflora)* plants and 930 black mangrove *(Avicennia germinans)* trees were used on the island to provide soil stability on the edges of the soil disposal area and to enhance wildlife habitat conditions.										
		Bayou LaTour	VP	N/A	N/A	Sen. Joel T. Chaisson, II Rep. Gary L. Smith	St. Charles	24	C	1991	I	$29,804
		A total of 10,550 smooth cordgrass *(Spartina alterniflora)* plants were used in a single row on 1-foot centers to stabilize the bank behind newly constructed wave dampening devices.										
		Myrtle Grove	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	48	C	1991, 1996, 2001	I	$53,558
		A total of 14,390 smooth cordgrass *(Spartina alterniflora)* plants and 1,340 marshhay cordgrass *(Spartina patens)* plants were used to vegetate an area on the uppermost part of a protection levee.										

(continued)

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									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Vegetation (continued)		Red Pass/ Spanish Pass	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	21	C	1991, 1996	I	$19,820
		Californa bulrush *(Schoenoplectus californicus)* , smooth cordgrass*(Spartina alterniflora)*, giant cutgrass*(Zizaniposis miliacea)*, and bald cypress*(Taxodium distichum)* seedlings were used on these islands in order to provide diverse habitat for wildlife, and form a vegetation buffer along several deteriorating islands.										
		Bay L' Ours	VP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	46	C	1991	I	$28,250
		A total of 10,000 smooth cordgrass*(Spartina alterniflora)* plants were used to provide stabilization behind a recently constructed wave dampening device.										
		Goose Bayou	VP	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	28	C	1992	I	$20,340
		Approximately 4,000 smooth cordgrass*(Spartina alterniflora)* plants were used behind sediment fences and Christmas tree fences along Bayou LaTour to help stabilize new sediment.										
		Lake Salvador	VP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Ernest D. Wooton	Lafourche	11	C	1992, 1999	I	$6,780
		A total of 1,000 giant cutgrass*(Zizaniopsis miliacea*) were planted to establish vegetation along a section of eroded coast.										
		Temple Bay	VP	N/A	N/A	Sen. Joel T. Chaisson, II Rep. Ernest D. Wooton	Lafourche	9	C	1992	I	$5,424
		A total of 800 smooth cordgrass*(Spartina alterniflora)* were used to stabilize a spoil bank behind a wave-reduction fence.										
		Bayou DuPont	VP	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Plaquemines	20	C	1992, 1998, 1999	I	$14,526
		A total of 2,022 smooth cordgrass*(Spartina alterniflora)* plants, 800 California bulrush *(Schoenoplectus californicus)* plants, and 500 giant cutgrass (*Zizaniopsis miliacea*) plants were used along the shoreline to stabilize the bank of Bayou DuPont .										
		Round Lake	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	4	C	1992	I	$4,435
		A total of 250 seashore paspalum*(Paspalum vaginatum)* plants and 1,320 smooth cordgrass*(Spartina alterniflora)* plants were used to prevent erosion along the shoreline of Round Lake.										
		Yellow Cotton Bay	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	6	C	1992	I	$6,144
		A total of 1,875 smooth cordgrass*(Spartina alterniflora)* plants and 300 seashore paspalum*(Paspalum vaginatum)* plants were used to stabilize the shoreline of a pipeline canal that runs east to west.										

(continued)

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									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Vegetation (continued)		Lake Hermitage	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	2	C	1993	I	$1,068
		A total of 110 seashore paspalum *(Paspalum vaginatum)* plants and 100 smooth cordgrass *(Spartina alterniflora)* plants were used to plant vegetation behind a wave reduction fence for ground stabilization.										
		Lake Lery/ Eighty Arpent Canal	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Kenneth L. Odinet, Sr.	St. Bernard	11	C	1993	I	$6,780
		A total of 1,000 smooth cordgrass *(Spartina alterniflora)* plants were used to block openings to small lagoons and provide a protective barrier along the Eighty Arpent Canal.										
		Lake Laurier	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	2	C	1993	I	$1,068
		A total of 110 seashore paspalum *(Paspalum vaginatum)* plants and 100 smooth cordgrass *(Spartina alterniflora)* plants were used behind a wave-reduction fence to help stabilize sediment.										
		Little Lake Hunting	VP	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	165	C	1994, 1996	I	$134,244
		A total of 2,400 smooth cordgrass (*Spartina alterniflora)* plants, 12,000 marshhay cordgrass *(Spartina patens)* plants, and 12,000 gulf cordgrass plants *Spartina spartinae)* were used to stabilize the levee and protect the shoreline at the base of the levee.										
		West Pointe a la Hache	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	6	C	1994	I	$3,526
		A total of 400 smooth cordgrass *(Spartina alterniflora)* plants and 120 California bulrush *(Schoenoplectus californicus)* plants were used to reduce the effects of wave energy on several deteriorating spoil banks in a brackish marsh, to trap sediment in the same area, and to establish freshwater vegetation in the immediate outfall area of the West Pointe a la Hache freshwater siphon.										
		LaReussite	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	3	C	1994	I	$1,695
		A total of 250 smooth cordgrass *(Spartina alterniflora)* plants were used on 5-foot centers to establish freshwater marsh vegetation and trap sediment in the marsh receiving the outfall from the LaReussite freshwater siphon.										
		Fourchon	VP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	29	C	1995	I	$14,408
		A total of 1,250 smooth cordgrass *(Spartina alterniflora)* plants and 1,500 black mangrove *(Avicennia germinans)* trees were used to protect and stabilize mudflats, protect the shoreline which is susceptible to erosion by high energy tidal currents, and improve wildlife habitat diversity.										
		Bayou Lafourche Shore	VP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	37	C	1995	I	$21,696
		A total of 3,200 giant cutgrass *(Zizaniopsis miliacea)* plants were used along the shoreline of Bayou Lafourche to provide a living barrier against wave-induced shoreline erosion.										

(continued)

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									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Vegetation (continued)		Big Mar	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	21	C	1995, 1998	I	$7,458
		A total of 500 California bulrush *(Schoenoplectus californicus)* plants and 600 giant cutgrass *(Zizaniopsis miliacea)* plants were used to establish emergent freshwater vegetation in the immediate outfall area of the Caernarvon Freshwater Diversion project.										
		Scarsdale	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	30	C	1995, 1998	I	$8,475
		A total of 1,000 bald cypress *(Taxodium distichum)* trees and 500 California bulrush *(Schoenoplectus californicus)* plants were used to re-introduce vegetation that was historically known to occur in this area.										
		Belair	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	7	C	1995	I	$3,390
		A total of 500 smooth cordgrass *(Spartina alterniflora)* plants were used to vegetate a low canal levee for protection against wave-induced shoreline erosion.										
		Clovelly Farm	VP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	1	C	1996	I	$814
		A total of 120 California bulrush *(Schoenoplectus californicus)* plants were used to absorb boat-generated wave energy and provide a seed source for revegetation.										
		Bayou Segnette	VP	N/A	N/A	Sen. J. Chris Ullo Rep. John A. Alario, Jr.	Jefferson	9	C	1997	I	$5,085
		A total of 375 California bulrush *(Schoenoplectus californicus)* plants and 375 giant cutgrass *(Zizaniopsis miliacea)* plants were used to protect a levee on Bayou Segnette from wave-induced erosion.										
		Simoneaux Ponds	VP	N/A	N/A	Sen. Joel T. Chaisson, II Rep. Gary L. Smith	St. Charles	20	C	1997, 2000	I	$11,526
		A total of 1,700 California bulrush *(Schoenoplectus californicus)* plants were used in open bodies of water to reduce fetch and to reduce the rate of shoreline erosion.										
		Lake Lery Shoreline	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Kenneth L. Odinet, Sr.	St. Bernard	23	C	1997, 1998	I	$13,560
		A total of 1,000 California bulrush *(Schoenoplectus californicus)* plants and 1,000 giant cutgrass *(Zizaniopsis miliacea)* plants were used along the Lake Lery shoreline to reduce shoreline erosion and vegetate predominately bare silt deposits.										
		Sebastopol Canal	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Kenneth L. Odinet, Sr.	St. Bernard	2	C	1997	I	$1,017
		A total of 150 California bulrush *(Schoenoplectus californicus)* plants were used to prevent erosion along Sebastopol Canal.										

(continued)

Program	Project Number State/Federal	Project Name	Project Type	PPL	Agency/ Sponsor	Senator/Representative	Parish	Anticipated Acres Benefitted	Activities			Original Baseline Cost (top) and Current Cost Estimate (bottom)
									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Vegetation (continued)		Cane Ridge Slough	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	8	C	1997	I	$4,746
		A total of 700 California bulrush *(Schoenoplectus californicus)* plants were used along a deteriorating canal bank to prevent boat-wake erosion from causing breaches into an adjacent interior marsh.										
		Delacroix Corp.	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	11	C	1997	I	$6,780
		A total of 500 California bulrush *(Schoenoplectus californicus)* plants and 500 giant cutgrass *(Zizaniopsis miliacea)* plants were used to provide a buffer along areas of the Delacroix Canal in Plaquemines Parish, where boat traffic is causing the banks to erode into the adjacent marsh.										
		Bayou des Allemands	VP	N/A	N/A	Sen. Joel T. Chaisson, II Rep. Gary L. Smith	St. Charles	15	C	1998, 2000	I	$8,814
		A total of 150 Califorina bulrush *(Schoenoplectus californicus)* plants and 150 giant cutgrass *(Zizaniopsis miliacea)* plants were used on approximately 1,500 feet of shoreline to prevent shoreline erosion.										
		Elmers Island	VP	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	15	C	1998, 2001	I	$18,358
		After the construction of sand fences for dune building purposes, a total of 300 marshhay cordgrass *(Spartina patens)* plants and 1,015 bitter panicum *(Panicum amarum)* plants were used around the fence to prevent the new sand from being eroded by winds.										
		Port Fourchon '98	VP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	23	C	1998	I	$13,560
		A total of 1,000 bitter panicum *(Panicum amarum)* plants were used on 5-foot centers in multiple rows to stabilize sand dunes that were created by newly constructed sand-trapping fence segments.										
		Bay Joe Wise	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	9	C	1998	I	$2,712
		A total of 400 nursery grown black mangrove *(Avicennia germinans)* trees were used in an area to provide habitat for various bird species.										
		Clovelly Levee	VP	N/A	N/A	Sen. Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	34	C	1999	I	$20,340
		A total of 3,000 giant cutgrass *(Zizaniopsis miliacea)* plants were used to provide a vegetation buffer along a hurricane protection levee which has undergone slight erosion due to boat traffic.										
		Delacroix '99	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	14	C	1999	I	$8,475
		A total of 1,250 giant cutgrass (*Zizaniopsis miliacea*) plants were used along areas of the Delacroix Canal to create a vegetative buffer and decrease shoreline erosion due to boat traffic.										

(continued)

Program	Project Number State/Federal	Project Name	Project Type	PPL	Agency/ Sponsor	Senator/Representative	Parish	Anticipated Acres Benefitted	Activities			Original Baseline Cost (top) and Current Cost Estimate (bottom)
									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Vegetation (continued)		Ollie Canal Pump-off	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	14	C	1999	I	$8,475
		California bulrush (*Schoenoplectus californicus*) plants were used in an old pump-off in order to revegetate the area and decrease flooding.										
		Burchell Canal	VP	N/A	N/A	Sen. Joel T. Chaisson, II Rep. Gary L. Smith	St. Charles	2	C	2000	I	$1,356
		A total of 100 California bulrush *(Schoenoplectus californicus)* plants and 100 giant cutgrass *(Zizaniopsis miliacea)* plants were used to create a vegetation buffer on the canal bank and to reduce the erosion caused by both wind-generated wave energy and frequent boat traffic. This bank separates the canal from the Simoneaux Ponds.										
		Port Sulphur	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	9	C	2000	I	$5,424
		A total of 800 black mangrove *(Avicennia germinans)* trees were planted to provide cover for nesting bird populations.										
		Reggio Canal	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	21	C	2000	I	$12,204
		A total of 1,000 giant cutgrass *(Zizaniopsis miliacea)* plants and 800 California bulrush *(Schoenoplectus californicus)* plants were used on the canal bank to reduce the erosion caused by both boat traffic and wind-generated wave energy.										
		Bayou Mandeville	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	16	C	2001	I	$9,993
		A total of 1,400 stems of giant cutgrass (*Zizaniopsis milacea*) were planted along Bayou Mandeville, between Big Mar and Lake Lery, in order to protect a newly created spoil bank from shoreline erosion.										
		Barataria Waterway Pump-in	VP	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	11	C	2001	I	$9,058
		A total of 2,571 smooth cordgrass (*Spartina alterniflora*) plants were established in order to introduce additional vegetation in a wetland adjacent to the Barataria Waterway, approximately 3 miles south of Lafitte.										
		East Golden Meadow	VP	N/A	N/A	Sen Reggie P. Dupre, Jr. Rep. Loulan Pitre, Jr.	Lafourche	23	C	2001	I	$16,048
		A total of 2000 stems of smooth cordgrass (*Spartina alterniflora*) were planted south of the Bayou L'ours Ridge in order to protect the shoreline against wind and boat-generated wave energy.										
		Deer Range Canal	VP	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	17	C	2001	I	$7,558
		A total of 5,257 stems of smooth cordgrass (*Spartina alterniflora*) were planted in order to decrease the rate of erosion on a section of Deer Range Canal, located east of Lake Laurier.										
		Barataria Waterway	VP	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	N/A	C	2001	I	$5,000
		A total of 1,000 stems of California bullrush *(Schoenoplectus californicus)* were planted on the shoreline of Barataria Waterway, just south of Lafitte near Bayou Dupre, in order to reestablish vegetation and facilitate marsh growth in an area that has experienced a high rate of subsidence.										

(continued)

Program	Project Number State/Federal	Project Name	Project Type	PPL	Agency/ Sponsor	Senator/Representative	Parish	Anticipated Acres Benefitted	Activities			Original Baseline Cost (top) and Current Cost Estimate (bottom)
									Engineering, Design, and Landrights	Construction	Operation, Maintenance, and Monitoring	
Section 204/1135		Grand Terre Island Wetland Creation	DM	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Jefferson	115	C	1996	N/A	$1,370,000
		This Section 204 project provides for the beneficial placement of 500,000 cubic yards of dredge material from Barataria Bay Waterway to create wetlands on Grand Terre Island. Construction was completed in December of 1996.										
		Barataria Bay Waterway, Mile 31 to 24.5	DM	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	125	C	1999	N/A	$140,000
		This Section 204 project utilized dredged material from between miles 31 and 24.5 of the Barataria Bay Waterway to create marsh habitat. Construction was completed in September of 1999.										
		Barataria Waterway, Grand Terre Is (Phase II)	DM	N/A	N/A	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Jefferson	80	C	1999, 2002*	N/A	$100,000
		This Section 204 project provides for the beneficial placement of 500,000 cubic yards of material dredged from Barataria Bay Waterway to create wetlands on the bay side of Grand Terre Island. Construction was completed in September of 1999. It is anticipated that additional dredging planned for 2002 will benefit 25 additional acres.										
WRDA	BS-08	Caernarvon	FD	N/A	USACE	Sen. Lynn B. Dean Rep. Ernest D. Wooton	Plaquemines	18,200	C	1991	I	$24,818,800
		This project diverts freshwater and its accompanying nutrients and sediments from the Mississippi River to coastal bays and marshes in Breton Sound for fish and wildlife enhancement.										
	BA-01	Davis Pond	FD	N/A	USACE	Sen. Joel T. Chaisson, II Rep. Gary L. Smith	St. Charles	33,000	C	2001	I	$106,000,000
		The purpose of this project is to maintain and enhance the existing ecological framework of the Barataria Basin by providing freshwater, nutrients, and sediment. This will counter saltwater intrusion and help offset marsh subsidence.										
Dedicated Dredging Program		Lake Salvador	DM	N/A	N/A	Sen. Joel T. Chaisson, II Rep. Gary L. Smith	St. Charles	28	C	1999	N/A	$342,276
		Two sites were filled utilizing dredge material adjacent to Baie du Cabanage on the Salvador Wildlife Management Area. Final inspection was held in June of 1999.										
		Jefferson Parish Wetlands Project	DM	N/A	N/A	Sen. J. Chris Ullo Rep. Ernest D. Wooton	Jefferson	66	C	2000	N/A	$1,080,017
		Three sites were filled utilizing dredge material adjacent to Bayou Dupont and The Pen.										

Program: Breaux Act=Coastal Wetlands Planning Protection and Restoration Act (CWPPRA); State=Restoration projects funded entirely by the State of Louisiana through the Coastal Restoration Division; PCWRP=Parish Coastal Wetlands Restoration Program; Vegetation=DNR/NRCS/SWCC Vegetation Planting Program; Section 204/1135= Water Resource Development Act Sections 204 and 1135 beneficial use of dredged material projects; WRDA=Water Resources Development Act; Mitigation=mitigation projects implemented by the Coastal Restoration Division.

Project Type: HR=Hydrologic Restoration; DM=Beneficial Use of Dredged Material; MM=Marsh Management; MC=Marsh Creation; SP=Shoreline Protection; FD=Freshwater Diversion; VP=Vegetation Planting; SNT=Sediment and Nutrient Trapping; OM=Outfall Management; BI=Barrier Island; SD=Sediment Diversion.

PPL: Priority Project List (as authorized by the Breaux Act Task Force).

Agency/Sponsor: NRCS=Natural Resources Conservation Service; USFWS=U.S. Fish and Wildlife Service; USACE=U.S. Army Corps of Engineers; EPA=Environmental Protection Agency; NMFS=National Marine Fisheries Service.

Anticipated Acres Benefitted N/A for Breaux Act demonstration and deauthorized projects.

Activities: C=Completed; I=Initiated; NI=Not Initiated; N/A=Not Applicable; a date in the construction column indicates construction completion date or anticipated date (*).

Original Baseline Costs and Current Cost Estimates for Breaux Act projects are from the USACE. Costs for other restoration programs are from DNR's Contract and Budget Section. Original Baseline Cost and Current Cost Estimate both include contingency funds. Breaux Act PPL 10 project costs are for Phase I only. Vegetation program project costs are estimated based on plant size and quantity.