ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
BERM TO BARRIER	Riverine Sand Mining/Scofield Island Restoration	BA-40	BI	14	NMFS	105	1	PLAQUEMINES	606	2014	$59,601,584	The goal of this project is to transport sediments from the Mississippi River to restore dune and marsh habitat on Scofield Island. Project was designed under CWPPRA but will be constructed using Berm to Barrier funds.	2
BERM TO BARRIER	Shell Island East	BA-110	BI	-	N/A	105	1	PLAQUEMINES	307	2014	$47,679,580	The purpose of the project is to restore the integrity of Shell Island, reduce wave energies within the bay area and reestablish productive habitat to Bastian Bay and the surrounding area. Shell Island East will be constructed to a length of approximately 2.8 miles, a dune elevation of +8.0 feet NAVD88, a marsh elevation of +2.5 feet NAVD88, and a total fill area of 613 acres. Shell Island West will be constructed to a length of approximately 1.2 miles, a dune elevation of +8.0 feet NAVD88, a marsh elevation of +2.5 feet NAVD88, and a total fill acreage of 345 acres.	2
CDBG	Lafitte Area Levee Repair	BA-82	HP	-	HUD	105	8	JEFFERSON	N/A	Pending	$500,000	This project will repair damages to the existing levees in the Fisher Basin Area. This damage was caused by heavy equipment and vehicles used on the levee for flood fighting activities during Ike and Gustav. This project will provide for a 4 inch lift on approximately a 5 mile stretch of levee.	2
CDBG	Rosethorne Wetland Assimilation Project	BA-83	HR	-	HUD	105	8	JEFFERSON	334	Pending	$1,093,769	The Rosethorne treatment facility currently discharges treated municipal effluent into Bayou Barataria. This project will utilize secondarily treated municipal effluent diverted from the Rosethorne treatment facility, to restore and sustain coastal wetland habitats.	2
CDBG	Bayou Lafourche Fresh Water District - Walter S. Lemann Memorial Pump Station Renovations	BA-84	FD	-	HUD	58	18	ASCENSION	N/A	Pending	$3,194,355	This project will replace two of the existing pumps and motors at the Walter S. Lemann Pump Station. This project will also install an emergency generator to operate the pump station during power outages.	2, 3A
CDBG	Madisonville Bulkhead	PO-87	SP	-	HUD	77	6	ST TAMMANY	N/A	Pending	$2,144,266	This project will provide construction of improvements to the existing bulkhead along the shore of Lake Pontchartrain and the Tchefuncte River at the Madisonville Marina.	1
CDBG	St. Tammany Parish Watershed Management Study	PO-151	HR	-	HUD	90	11	ST TAMMANY	N/A	N/A	$1,363,233	This project involves a planning study to evaluate the feasibility of watershed management measures in St. Tammany Parish.	1
CDBG	Cut-Off/Pointe Aux Chene Levee	TE-78	HP	-	HUD	53, 54	20	LAFOURCHE	N/A	Pending	$8,468,857	This project will fill in the missing gap that is currently in the existing levee system. The 2.5-mile levee will be constructed along Grand Bayou and tie into the existing levee systems on each end.	3A
CDBG	Franklin Floodgate Sinkable Barge and Pump Station	TV-52	HP	-	HUD	50	21	ST MARY	N/A	Pending	$6,345,093	This project will construct a sinkable barge structure on Franklin Canal to prevent storm surge from inundating the town of Franklin.	3B
CDBG	Flood Control Structure at Boston Canal (Deauthorized)	TV-58	HP	-	HUD	47	26	VERMILION	N/A	Deauthorized	$5,800,000	This project will construct a flood control structure at the intersection of Boston Canal and the GIWW, which could be closed in the event of a hurricane or tropical storm.intersection of Boston Canal and the GIWW, that could be closed in the event of a hurricane or tropical storm.	3B
CDBG	Front Ridge Chenier Terracing/Protection	TV-60	TE	-	HUD	47	26	VERMILION	40	Pending	$2,078,162	This project will construct approximately 85,000 linear feet of marsh terraces south east of Pecan Island in Vermilion Parish.	4
CDBG	Bayou Tigre Flood Control Project	TV-67	HP	-	HUD			VERMILION	N/A	Pending	$6,343,862	This project involves the implementation of flood control measures in Bayou Tigre.	4
CIAP	Morgan City Industrial Road	AT-05	OTHER	-	USFWS	51	21	ST MARY	N/A	Pending	$1,710,000	The project is a road alignment that begins at the First Street floodgate in Morgan City, LA. The alignment will proceed along the unprotected side of the floodwall a distance of 1857 feet. And end at the Port of Morgan City's north gate. The project goal is to reduce the truck traffic through the residential neighborhoods by rerouting the traffic through the proposed realigned road. The preliminary project benefit is to provide more road access to the industrial facilities and the museum through the proposed new road, and decrease the traffic in the residential area.	3B
CIAP	Atchafalaya Long Distance Sediment Pipeline	AT-15	OTHER, MC	-	USFWS	51, 52, 53	20	TERREBONNE	-	N/A	$1,500,000	CIAP funds allocated to this project will advance the design of a sediment pipeline which will be used to restore marsh in lower Terrebonne Parish.	3A
CIAP	Lake Salvador Shoreline Protection (Phase III)	BA-15X-2 (EB)	SP	-	USFWS	105	19	ST CHARLES	844	2009	$2,300,000	This project will construct approximately 7,000 linear feet of shoreline protection near the northwest shore of Lake Salvador.	2
CIAP	Mississippi River Water Reintroduction into Bayou Lafourche - BLFWD	BA-161	FD	-	USFWS	55, 51, 52, 105, 53, 54	20, 19, 8	ASSUMPTION, LAFOURCHE	-	Pending	$20,000,000	Project is estimated to allow for the continued dredging of a 1,000 cfs channel for an additional 7 - 12 miles of Bayou Lafourche. Overall project features identified for implementation include a receiving intake structure at the point of diversion in the Mississippi River; a pump/siphon system with a combined discharge capacity of 1,000 cfs; a discharge settling pond/sediment basin in Bayou Lafourche at Donaldsonville; modification of weir structures; bank stabilization along Bayou Lafourche; monitoring stations; and dredging of Bayou Lafourche. The total project has been modeled to benefit approx. 120,000 - 130,000 acres in the Terrebonne and Barataria Basins through reductions in the salinities and/or nourishment of wetlands with the introduction and distribution of sediment and nutrients from the river.	2, 3A
CIAP	Shoreline Protection Cat Island	BA-162-CAT	SP	-	USFWS	105	8	PLAQUEMINES	40	Pending	$1,200,000	This project will construct of a series of submerged wave breaks surrounding the existing remnants of the Cat Islands in order to protect the oil damaged shores along the existing island remnants from further wave damage while also collecting sediment in order to naturally rebuild the degraded infrastructure of the islands.	2
CIAP	Shoreline Protection Emergency Restoration	BA-162-SPER	SP	-	USFWS	105	8	PLAQUEMINES	40	2013	$355,780	This project will construct of a series of submerged wave breaks surrounding the existing remnants of the Cat Islands in order to protect the oil damaged shores along the existing island remnants from further wave damage while also collecting sediment in order to naturally rebuild the degraded infrastructure of the islands.	2
CIAP	East Grand Terre	BA-30 (EB)	BI	-	USFWS	105	8	PLAQUEMINES	683	2010	$25,426,247	The project goal is to restore 2.8 miles and 620 acres of barrier shoreline and 450 acres of marsh by dredging 3.3 million cubic yards of offshore material and rebuilding the island. Project was designed under the CWPPRA Program and constructed under the CIAP program.	2
CIAP	Long Distance Mississippi River Sediment Pipeline	BA-43 (EB)	OTHER, MC	-	USFWS	105, 54	20, 1, 8	LAFOURCHE, JEFFERSON,		Pending	$66,192,104	The goal of this project is to use material dredged from the Mississippi River and transported via new permanent pipeline across the Barataria Basin to create marsh and/or a ridge.	2
CIAP	Caminada Headlands	BA-45	BI	-	USFWS	54	20	LAFOURCHE	730	Pending	$70,679,580	The proposed project will restore and protect beach and dune habitat across the Caminada Headland through the direct placement of sediment (sandy material for the beach and dune habitat) from offshore borrow areas.	2
CIAP	LA 1 Improvements - Fourchon to Leeville Bridge (CIAP)	BA-55	OTHER	-	USFWS	54	20	LAFOURCHE	N/A	2010	$33,000,000	This project is located 60 miles south of New Orleans in lower Lafourche Parish between Leeville and Port Fourchon. It will construct a 5 mile long, two lane elevated highway (two, 12 ft lanes and two, 8 ft shoulders). The Phase IA project connects to the Phase IB and Phase IC projects (in Leeville) by relocating LA 1 on a new alignment.	2
CIAP	Fringe Marsh Repair	BA-58	MC	-	USFWS	105	1	PLAQUEMINES	300	2014	$8,756,605	This program will reestablish critical areas of fragile marsh and minimize the continued fragmentation of wetlands system throughout the coast. Through the beneficial use of dredge material and projects to reestablish shorelines, fringe marsh areas will be protected.	2
CIAP	Bayou Lamoque Floodgate Removal	BS-13 (EB)	FD	-	USFWS	105	1	PLAQUEMINES	660	Pending	$1,500,000	This project will remove floodgates to allow unimpeded flow of freshwater through the water control structures.	1
CIAP	FIFI Island Restoration	CIAPFIFI	SP	-	USFWS	105	8	JEFFERSON	126	2003	$751,406	Approximately 100 acres of existing island (Grand Isle & Fifi Island) will be protected by the installation of approximately 10,000 linear feet of rock shore protection. An additional $999,500 was contributed from the CIAP of 2001 for the construction and design of this project.	2
CIAP	Trosclair Road Repairs	CS-47	OTHER	-	USFWS	47	25	CAMERON	N/A	2009	$2,039,592	The proposed project will overlay Trosclair Road, a parish road that is heavily used by oilfield traffic. The project is approximately 8 miles long and connects State Highway 27/82 from Cameron to State Highway 82 to Oak Grove.	4
CIAP	Bush Canal and Bayou Terrebonne Bank Stabilization	DNR 2513-0311	SP	-	USFWS	53	20	TERREBONNE	4300	2007	$3,700,000	This project reconstructed the south bank of Bush Canal using material dredged from the canal. The restored bank-line was then covered with goetextile fabric and armored with stone rip-rap. The rebuilt bank-line will help to diminish storm surge as well as reduce saltwater intrusion. This project was funded by the CIAP of 2001.	3A
CIAP	Coastal Forest Conservation Initiative	LA-13	PP, OTHER	-	USFWS	N/A	N/A	COASTWIDE	40000	N/A	$20,166,136	A program to preserve existing coastal forest via purchase of fee title or conservation servitudes from willing land owners.	COASTWIDE
CIAP	Rockefeller Shoreline Protection Demo (CIAP)	ME-18 (EB)	SP	-	USFWS	47	25	CAMERON	23	2009	$8,500,000	The project will construct three types of shoreline protection structures as a demonstration to determine which type(s) of structures are successful in protecting the shoreline. Successful structure(s) will be used in a larger CWPPRA Project.	4
CIAP	Grand Lake Shoreline Protection (CIAP)	ME-21 (EB)	SP	-	USFWS	47	25	CAMERON	495	2010	$9,129,919	This project will construct approximately 37,800 linear feet of shoreline protection on the south shore of Grand Lake from Superior Canal to Tebo Point.	4

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
CIAP	Living Shoreline	PO-148	SP	-	USFWS	103, 105, 84	1, 8	ST BERNARD, JEFFERSON, ORLEANS	5340	Pending	$26,500,000	St. Bernard - 21 miles of shoreline protection from Point Eloi along the northern edge of Bay Eloi, around Lydia Point, and along the southern edge of Morgan Harbor and Treasure Bay; Jefferson - shoreline protection along the north eastern edge of Hackberry Bay, south of Mud Lake; Plaquemines - shoreline protection near Joshua's Marina on the west side of the Mississippi River in Buras.	1,2
CIAP	Violet Diversion	PO-35 (EB)	FD	-	USFWS	104, 103	2, 1	ST BERNARD	13200	N/A	$1,170,982	This project will divert freshwater from the Mississippi River into Lake Borgne to freshen Mississippi Sound, Central Wetlands, and Biloxi Marsh areas. The Feasibility Study for this project is being done as part of the MRGO Ecosystem Restoration FS.	1
CIAP	Orleans Land Bridge SP & Marsh Creation	PO-36 (EB)	SP	-	USFWS	104, 103	2, 1	ORLEANS	140	2013	$20,860,000	This project will provide shoreline protection on the northwest rim of Lake Borgne.	1
CIAP	Central Wetlands Demonstration	PO-73	HR	-	USFWS	101, 103, 104	1, 2	ST BERNARD	10-20	Pending	$3,500,000	Water Assimilation project with New Orleans Sewerage and Water Board.	1
CIAP	Central Wetlands - Riverbend	PO-73-1	HR	-	USFWS	103	4	ST BERNARD	346	Pending	$2,000,000	Wetland Assimilation Project in St. Bernard Parish.	1
CIAP	Central Wetlands - EBSTP to A2	PO-73-2	HR	-	USFWS	103	4	ST BERNARD, ORLEANS	473	Pending	$4,500,000	Wastewater from New Orleans Sewerage and Water Board's East Bank Sewerage Treatment Plant will be pumped to adjacent wetlands in St. Bernard Parish.	1
CIAP	Rainey Audubon Wildlife Sanctuary Earthen Terraces	RAINEY	MC	-	USFWS	47	26	VERMILION		2005	$951,869	The project consists of constructing approximately 35,000 linear feet of terraces. The terraces were created by dredging in shallow open water areas and piling the spoil on one side of the borrow area. An additional $391,763 was contributed from the CIAP of 2001.	3B
CIAP	GIWW Bank Restoration of Critical Areas of Terrebonne (CIAP)	TE-43 (EB)	SP	-	USFWS	21	51	TERREBONNE	1,180	2011	$7,274,676	The project objective is to restore critical lengths of deteriorated channel banks and stabilize/armor selected critical lengths of deteriorated channel banks with hard shoreline stabilization materials.	3B
CIAP	Falgout Canal Freshwater Enhancement	TE-63	FD	-	USFWS	51	20	TERREBONNE	5000	Pending	$9,351,074	This project would include construction/modification of an inlet structure at a site located on the HNC north of Falgout Canal, modeling of the basin, along with channel improvements, as necessary, to improve efficiency of freshwater flow within the basin area. In addition, existing structures along Falgout Canal would be improved and/or replaced to facilitate operation and maintenance concerns, and facilitate movement of freshwater, nutrients, and sediment to the hydrologic unit south of Falgout Canal.	3A
CIAP	Freshwater Bayou Bank Stabilization	TV-11B (EB)	SP	-	USFWS	26	47	VERMILION	223	Pending	$13,568,804	The goal of this project is to stop erosion along the bank of Freshwater Bayou Canal and to protect the interior wetlands from saltwater intrusion, increased tidal exchange and wake-induced erosion. This will be achieved by constructing a rock dike along critical areas of the eastern and western banks of the canal.	3B
CIAP	Port of Iberia Bridge Replacement - Port Road over Commercial Canal	TV-28	OTHER	-	USFWS	49	22	IBERIA		2013	$625,792	The project is located in Iberia Parish, and will aid the Port of Iberia in its day to day operations. This project will replace the bridge on Port Road over Commercial Canal. The existing bridge is approximately 24 feet wide and 76 feet long. The Port of Iberia handles a substantial amount of OCS produced products and the large equipment used in transporting these products take a major toll on the ports bridges and roadways.	3B
CIAP	Port of Iberia Bridge Replacement - David Dubois Road over Commercial Canal	TV-30	OTHER	-	USFWS	49	22	IBERIA		2013	$1,058,013	The project is located in Iberia Parish, and will aid the Port of Iberia in its day to day operations. This project will replace the bridge on David Dubois Road over Commercial Canal. The existing bridge is approximately 24 feet wide by 70 feet long. The Port of Iberia handles a substantial amount of OCS produced products and the large equipment used in transporting these products takes a major toll on the port's bridges and roadways.	3B
CIAP	Acadiana Regional Airport Street Improvements - Admiral Doyle Drive	TV-31	OTHER	-	USFWS	49	22	IBERIA		Pending	$1,114,942	This project will patch and overlay 5,310 feet (about 1 mile) of Admiral Doyle Road around the Acadiana Regional Airport in Iberia Parish from its intersection with LA 3212 to the end of the four lane section. This project will provide improved access to both the airport and the Port of Iberia, both of which support OCS facilities and commerce.	3B
CWPPRA	Atchafalaya Sediment Delivery	AT-02	SD	2	NMFS	50	21	ST MARY	2232	1998	$2,532,147	The objective of this project is to enhance natural delta growth by re-opening Natal Channel and Castille Pass. Natal Channel was re-established with a 120-foot wide, 10-foot deep, 8,800-foot long channel and Castille Pass with a 190-foot wide, 10-foot deep, 2,000-foot long channel. Material dredged (700,925 cubic yards) as a result of construction was strategically placed at elevations mimicking natural delta lobes.	3B
CWPPRA	Big Island Mining	AT-03	DM	2	NMFS	50	21	ST MARY	1560	1998	$7,077,404	The project includes creating a new western delta lobe behind Big Island to enhance the accretion of land beyond the west bank of the Atchafalaya River. Construction included dredging of a main stem and five branch channels designed to mimic natural channel bifurcations. Dredged material was strategically placed at elevations mimicking natural delta lobes. Re-opening the channels is allowing continued natural sediment transport and marsh growth.	3B
CWPPRA	Castille Pass Channel Sediment Delivery (Deauthorized)	AT-04	SD	9	NMFS	50	21	ST MARY	589	Deauthorized	$1,717,883	This project will dredge a system of distributary channels to create 589 acres of marsh through sediment placement and natural deposition.	3B
CWPPRA	GIWW (Gulf Intracoastal Waterway) to Clovelly Hydrologic Restoration	BA-02	HR	1	NRCS	54	20	LAFOURCHE	175	2000	$12,896,358	The project will restore the area to the hydrologic conditions that prevailed historically. The project includes canal plugs, rock weirs, fixed crest weirs with boat bays, one variable crest weir, and the rebuilding of low overflow banks that have eroded away.	2
CWPPRA	Naomi Outfall Management	BA-03C	OM	5	NRCS	105	8	JEFFERSON	634	2002	$2,285,972	The project will manage the outfall of the existing eight siphons by controlling the movement of the diverted waters. The siphons divert sediment-laden water from the Mississippi River into the west bank wetlands to retard saltwater intrusion and enhance wetland productivity.	2
CWPPRA	West Pointe a la Hache Outfall Management	BA-04C	HR	3	NRCS	105	1	PLAQUEMINES	646	Pending	$5,370,516	The project goal is to optimize use of fresh water and sediment supplied by existing siphon by reducing channelized flow and routing the diverted flow to nourish marshes.	2
CWPPRA	Lake Salvador Shore Protection Demonstration	BA-15	SP	3	NMFS	105	19	ST CHARLES	N/A	1998	$5,856,506	The objective of this project is to maintain the shoreline along a section of Lake Salvador and help re-establish the natural hydrology of interior marsh. Phase I of the project was constructed to demonstrate the effectiveness of four separate types of segmented breakwaters in a poor soil environment. Phase II of the project included the installation of 8,000 feet of continuous rock structure along the western section of the lake.	2
CWPPRA	Bayou Dupont Sediment Delivery- Marsh Creation 3	BA-164	MC	22	EPA	105	1	PLAQUEMINES, JEFFERSON	302	Pending	$3,415,930	This projectinvolves dedicated dredging from the Mississippi River to create and nourish 415 acres of marsh.	1
CWPPRA	Fourchon Hydrologic Restoration (Deauthorized)	BA-18	HR	1		54	20	LAFOURCHE	N/A	Deauthorized	$7,703	The goal of this project was to restore tidal exchange to 2,400 acres of impounded wetlands. The project was officially deauthorized by the CWPPRA Task Force in July of 1994 at the request of the landowner.	2
CWPPRA	Barataria Bay Waterway Wetland Restoration	BA-19	MC	1	USACE	105	8	JEFFERSON	510	1996	$1,170,000	The project beneficially used dredge material to enlarge Queen Bess Island.	2
CWPPRA	Jonathan Davis Wetland Protection	BA-20	HR, SP	2	NRCS	105	8	JEFFERSON	510	2003, 2012	$28,886,616	The goal of this project is to restore the natural hydrologic conditions of the area and reduce shoreline erosion. The goal was partly accomplished through constructing a series of water control structures. Construction unit 4 consists of 4,180 lf of rock rip rap revetment, 15,110 lf of concrete sheetpile wall, plugs and marsh creation.	2
CWPPRA	Bayou Perot/Bayou Rigolettes Marsh Restoration (Deauthorized)	BA-21	MC	3	NMFS	105	8	JEFFERSON	1065	Deauthorized	$20,964	This project was authorized to protect deteriorated intermediate-to-brackish marsh located between Lake Salvador and Little Lake by using dredged material to re-establish the shoreline. Due to an unstable and rapidly eroding site, the project was deemed unfeasible and was officially deauthorized by the CWPPRA Task Force in January of 1998.	2
CWPPRA	Bayou L'Ours Ridge Hydrologic Restoration (Deauthorized)	BA-22	HR	4	NRCS	54	20	LAFOURCHE	737	Deauthorized	$371,232	This project was proposed to 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. The project was officially deauthorized by the CWPPRA Task Force in April 2003 because of landrights issues.	2
CWPPRA	Barataria Bay Waterway West Side Shoreline Protection	BA-23	SP	4	NRCS	105	8	JEFFERSON	1789	2000	$3,013,365	The project objective is to rebuild the west bank of the Dupree Cut to protect the adjacent marsh from unnatural water exchange and subsequent erosion. A rock dike was constructed along 9,400 linear feet of the west bank of the Barataria Bay Waterway.	2
CWPPRA	Myrtle Grove Siphon (Deauthorized)	BA-24	FD	5	NMFS	105	1,8	PLAQUEMINES	N/A	Deauthorized	$481,802	The goal of the project is to reduce saltwater intrusion and to nourish existing marsh. This will be accomplished by diverting water through a siphon from the Mississippi River to adjacent wetlands. This project was officially deauthorized by the CWPPRA Task Force in October 2007 because a larger diversion was authorized at the same location (see BA-33).	2

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CWPPRA	Bayou Lafourche Siphon (Deauthorized)	BA-25a	FD	5	EPA	51, 54, 55, 58, 60	18, 19, 20, 21	LAFOURCHE	428	Deauthorized	$45,922	The goal of the project is to reduce marsh loss adjacent to Bayou Lafourche by introducing nutrient and sediment laden river water through large siphon pipes. This project was reauthorized on the 11th PPL as BA-25b.	2
CWPPRA	Barataria Bay Waterway East Side Shoreline Protection	BA-26	SP	6	NRCS	105	8	JEFFERSON	217	2001	$5,224,477	The objective of this project is to rebuild the banks of the BBWW to protect the adjacent marsh from excessive tidal action and saltwater intrusion. The project consists of 17,600 (3.3 miles) of levee constructed with dredged material from the BBWW; and 17,600 (3.3 miles) of rock armor.	2
CWPPRA	Barataria Basin Landbridge Shoreline Protection, Phases 1 and 2	BA-27	SP	7	NRCS	54, 105	20, 8	JEFFERSON	1304	2009	$31,288,623	The objective of the project is to select a cost-effective erosion control technique to stop the erosion on the southwestern shoreline of Bayou Perot and the southeastern shoreline of Bayou Rigolettes. The length of protection is estimated to be approximately 71,000 feet.	2
CWPPRA	Barataria Basin Landbridge Shoreline Protection, Phase 3	BA-27C	SP	9	NRCS	105, 54	20, 8	JEFFERSON, LAFOURCHE	5587	1999, 2008, Pending	$46,231,597	The project tested sections of different shoreline protection types, such as, concrete panel wall, rock and light rock. These projects have constructed over 41,000 feet of shoreline protection.	2
CWPPRA	Barataria Basin Landbridge Shoreline Protection Phase 4	BA-27D	SP	11	NRCS	105, 54	20, 8	JEFFERSON	589	2006	$17,709,216	This project will consist of 31,500 feet of foreshore rock dike with a lightweight aggregate core or concrete sheetpile and will incorporate "fish dips" and openings at historic natural channels to eliminate shoreline erosion and deterioration of the Barataria landbridge.	2
CWPPRA	Vegetative Plantings of a Dredged Material Disposal Site on Grand Terre Island	BA-28	VP	7	NMFS	105	8	JEFFERSON	127	2001	$526,314	This project involved the installation of vegetative plantings on previously constructed marsh and dune platform.	2
CWPPRA	LA Highway 1 Marsh Creation (Deauthorized)	BA-29	MC	9	EPA	54	20	LAFOURCHE	146	Deauthorized	$250,257	The objective of this project was to create marsh habitat in a large open water area adjacent to Louisiana Highway 1 using dredged material from two proposed borrow areas. This project was officially deauthorized by the CWPPRA Task Force in February of 2005 because it was determined to be infeasible.	2
CWPPRA	East/West Grand Terre Islands Restoration (Transferred)	BA-30	MC	9	NMFS	105	1	JEFFERSON	403	Transferred	$2,211,739	The goal of this project is to stabilize and benefit 1,575 acres of barrier island habitat and extend the island's life expectancy. Dredged material will be used to create dune and marsh habitat on East Grand Terre Island. This project will be constructed using CIAP 2007 funds.	2
CWPPRA	Delta Building Diversion at Myrtle Grove (Transferred)	BA-33	SD	10	USACE	105	1,8	JEFFERSON, PLAQUEMINES	8891	Transferred	$327,422	The objective of this project is to divert Mississippi River water and sediment for the creation of new emergent wetlands. The project will involve: installation of gated box culverts on the west bank of the Mississippi River in the vicinity of Myrtle Grove; dedicated dredging from the Mississippi River to create marsh in the vicinity of Bayou Dupont, the Barataria Bay Waterway, and the Wilkinson Canal; or a combination of these actions. This project has been transferred to the LCA Program.	2
CWPPRA	Mississippi River Reintroduction Into Northwest Barataria Basin (Transferred)	BA-34	FD	10	EPA	58, 55	19, 18	ST JOHN THE BAPTIST, ST JAMES, LAFOURCHE	5134	Transferred	$17,098,769	The goal of this project is to restore the natural hydrologic regime and add nutrients to adjacent swamp areas. The project would utilize a freshwater diversion/siphon from the Mississippi River to northwest Barataria Basin wetlands with gapping of spoil banks and placement of culverts under LA Highway 20. The scope of the project was changed and the revised project was re-numbered BA-34-2.	2
CWPPRA	Hydrologic Restoration and Vegetative Plantins in the Lac des Allemands Swamp	BA-34-2	HR, VP	10	USFWS	58, 55	19, 18	ST JOHN THE BAPTIST, ST JAMES, LAFOURCHE	5134	Pending	$14,355,710	The goal of this project is to restore the natural hydrologic regime and add nutrients to adjacent swamp areas via hydrologic restoration. Project features include the implementation of spoil bank gaps, culverts, and other hydrologic improvements for the impounded swamps to reverse the impoundment effects that are currently serious impediments to swamp health	2
CWPPRA	Pass Chaland to Grand Bayou Pass	BA-35	BI	11	NMFS	105	1	PLAQUEMINES	359	2009	$46,414,530	This project involved the creation of a dune and marsh platform on the north side of the Gulf of Mexico adjacent to Bay Joe Wise. Sand fencing and vegetation were installed.	2
CWPPRA	Dedicated Dredging on the Barataria Basin Landbridge	BA-36	MC	11	USFWS	105	8	JEFFERSON	2800	2010	$36,281,893	Approximately 5,368,000 cubic yards of material was placed in two contained marsh creation areas to construct approximately 1,211 acres of intertidal marsh at a final elevation of +2.5' NAVD 88. Approximately 3,901,000 cubic yards of material was placed in adjoining fill areas to nourish approximately 1,578 acres of marsh.	2
CWPPRA	Little Lake Shoreline Protection/Dedicated Dredging Near Round Lake	BA-37	MM, SP	11	NMFS	54	20	LAFOURCHE	713	2007	$44,931,412	This project is designed to protect area wetlands, which currently experience high rates of shoreline erosion. This project will protect approximately 21,000 feet of Little Lake shoreline, create 488 acres of intertidal wetlands, and nourish an additional 532 acres of fragmented, subsiding marsh.	2
CWPPRA	Pelican Island and Pass La Mer to Chaland Pass Restoration	BA-38	BI, VP	11	NMFS	105	1	PLAQUEMINES	1117	2012	$77,109,220	The objectives of this project are to create barrier island habitat, enhance storm-related surge and wave protection, prevent overtopping during storms, and increase the volume of sand within the active barrier system. Conceptual project plans envision dedicated dredging of local, nearshore sand sources to directly create beach, dune, and wetland habitats. This project was first authorized on the 9th PPL as Barrier Island Restoration Grande Terre to SW Pass (BA-32). Construction of the Pass La Mer to Chaland Pass Restoration segment was completed in 2007.	2
CWPPRA	Mississippi River Sediment Delivery System - Bayou Dupont	BA-39	MC	12	EPA	105	1, 8	JEFFERSON, PLAQUEMINES	577	2010	$31,631,908	The goal of this project is to create/restore 493 acres of brackish marsh by delivering via pipeline, dredged material from the Mississippi River to an adjacent area within the Barataria Basin, and planting marsh vegetation.	2
CWPPRA	South Shore of the Pen Shoreline Protection and Marsh Creation	BA-41	SP, MC	14	NRCS	105	8	JEFFERSON	211	2012	$21,639,575	Approximately 1,000 feet of concrete pile and panel wall and 10,900 feet of rock revetment would be constructed along the south shore of The Pen and Bayou Dupont. Dedicated dredging would be used to create approximately 74 acres of marsh, and nourish an additional 107 acres of marsh, within the triangular area bounded by the south shore of The Pen, the Barataria Bay Waterway (Dupre Cut) and the Creole Gas Pipeline Canal.	2
CWPPRA	Lake Hermitage Marsh Creation	BA-42	TE, SP, MC	14	USFWS	105	1	PLAQUEMINES	438	Pending	$38,040,158	The goals of this project are to create approximately 438 acres of wetlands, reduce tidal exchange in marshes surrounding Lake Hermitage using material dredged from the Mississippi River.	2
CWPPRA	West Pointe a la Hache Marsh Creation	BA-47	MC	17	NRCS	105	1	PLAQUEMINES	203	Pending	$16,136,639	The goal of this project is to create/nourish marsh using sediment hydraulically dredged from the Mississippi River and pumped via pipeline to the project area.	2
CWPPRA	Bayou Dupont Marsh and Ridge Creation Project	BA-48	MC	17	NMFS	105	1	JEFFERSON	317	Pending	$21,626,768	This marsh and ridge creation project will nourish approximately 118 acres of marsh and create 15 acres of maritime ridge by long distance pumping of Mississippi River sediment.	2
CWPPRA	Grand Liard Marsh and Ridge Restoration	BA-68	BI	18	NMFS	105	1	PLAQUEMINES	502	Pending	$31,390,699	This project will create 328 about acres of marsh, nourish about 140 acres of marsh and build about 20,000 lf of ridge.	2
CWPPRA	Caminada Headlands Back Barrier Marsh Creation	BA-171	MC	23	EPA	54	20	LAFOURCHE	430	Pending	$32,284,094	In addition to the highest shoreline migration rates in Louisiana (exceeding 80 feet per year in near Bay Champagne and 110 feet per year in the Bayou Moreau area between 2006 and 2011), the area is also experiencing high loss rates of interior marshes. The continued deterioration of Caminada headland threatens thousands of acres of wetland habitat, as well as critical infrastructure, including Port Fourchon, LA Highway 1, and the lower Lafourche levee system. The project would create 300 acres of back barrier intertidal marsh and nourish 130 acres of emergent marsh behind 3.5 miles of the Caminada beach using material dredged from the Gulf of Mexico.	2
CWPPRA	Bayou Grande Cheniere Marsh and Ridge Restoration	BA-173	MC	23	USFWS	105	1	PLAQUEMINES	264	Pending	$30,311,402	The goal of this project is to re-create approximately 342 acres of marsh habitat in the open water areas and nourish marsh along the eastern side of the Bayou Grande Cheniere ridge, as well as create 12 acres of forested coastal ridge habitat.	2
CWPPRA	Caernarvon Diversion Outfall Management	BS-03A	OM	2	NRCS	105	1	PLAQUEMINES	802	2002	$4,536,000	The primary objective is to enhance marsh by increasing the utilization of freshwater, nutrients, and sediments provided by the Mississippi River through the Caernarvon Freshwater Diversion Structure.	1
CWPPRA	White's Ditch Outfall Management (Deauthorized)	BS-04A	OM	3	NRCS	105	1	PLAQUEMINES	N/A	Deauthorized	$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 benefited by the Caernarvon Freshwater Diversion project. Because of the failure to secure landrights, the project was officially deauthorized by the CWPPRA Task Force in January of 1998. This project was reauthorized on the 14th PPL as BS-12.	1
CWPPRA	Grand Bay Crevasse (Deauthorized)	BS-07	SD	4	USACE	105	1	PLAQUEMINES	N/A	Deauthorized	$65,747	Project goals included construction of a rock-lined opening through the rocks at the head of the Jurjevich Canal in order to establish a pathway for freshwater and sediment into Grand Bay and the adjacent marshes to create, restore, and enhance wetlands in the area. The project was officially deauthorized by the CWPPRA Task Force in July of 1998 because of landrights issues.	1
CWPPRA	Upper Oak River Freshwater Siphon (Deauthorized) Phase 1	BS-09	FD	8	NRCS	105	1	PLAQUEMINES	N/A	Deauthorized	$56,476	The primary goal of this project was to reverse the trend of interior marsh deterioration in the project area due to saltwater intrusion through installation of a freshwater siphon and outfall channel. These strategies would have provided freshwater, nutrients, and sediment to enhance marsh health. The project was officially deauthorized by the CWPPRA Task Force in January of 2003 because of landrights issues.	1

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Delta Building Diversion North of Fort St. Philip (Deauthorized)	BS-10	SD	10	USACE	105	1	PLAQUEMINES	543	Deauthorized	$1,178,640	A diversion channel will be constructed along the left descending bank of the Mississippi River up stream from Fort St. Philip. The channel will be constructed mainly through shallow open water and will tie into the Mississippi River.	1
CWPPRA	Delta Management at Fort St. Philip	BS-11	SNT	10	USFWS	105	1	PLAQUEMINES	267	2006	$3,199,948	The objective of the project is to enhance the delta-building process occurring due to the crevasse at Fort St. Philip. Six artificial crevasses will be constructed to divert freshwater and sediment into areas currently restricted by spoil banks or natural ridges and linear vegetated terraces will be constructed to enhance sediment retention and reduce wave energy in one of the receiving bays.	1
CWPPRA	White Ditch Resurrection and Outfall Management (Deauthorized)	BS-12	OM, FD	14	NRCS	105	1	PLAQUEMINES	189	Deauthorized	$1,595,677	The goal of this project is to promote utilization of freshwater, sediments, and nutrients from Mississippi River by renewing operation of existing siphon and adding another.	1
CWPPRA	Bayou Lamoque Freshwater Diversion (Transferred)	BS-13	FD	15	EPA	105	1	PLAQUEMINES	620	Transferred	$9,509	The goal of this project was to create approximately 620 acres of new marsh, increase the percent cover of aquatic vegetation, increase the area of shallow open water habitat, and decrease mean salinity in the project area.This CWPPRA project was transferred to the CIAP Program.	1
CWPPRA	Bohemia Mississippi River Reintroduction Project (Deauthorized)	BS-15	FD	17	EPA	105	1	PLAQUEMINES	640	Deauthorized	$556,703	The goal of the project is to reintroduce Mississippi River water into adjacent wetlands through an uncontrolled diversion with a capacity of approximately 10,000 cfs, restoring natural deltaic growth and habitats.	1
CWPPRA	South Lake Lery Shoreline and Marsh Restoration	BS-16	VP, MC	17	USFWS	105, 103	1	PLAQUEMINES	652	Pending	$25,137,149	The project features include dredging sediment to create 396 acres of marsh and restore approximately 32,000 feet of the southern Lake Lery shoreline.	1
CWPPRA	Bertrandville Siphon	BS-18	FD	18	EPA	105	1	PLAQUEMINES	1613	Pending	$22,578,208	The goal of the project is to create and sustain marsh through a MS River reintroduction (2,000 cfs maximum siphon) into the open water near Bertrandville, LA.	1
CWPPRA	Terracing and Marsh Creation South of Big Mar	BS-24	MC, TE	22	USFWS	105	1&8	PLAQUEMINES	383	Pending	$2,308,599	Approximately 65,000 linear feet of terraces (37 acres) will be constructed with in-situ material to reduce fetch and turbidity and capture suspended sediment. Sediments will be hydraulically dredged from Lake Lery and pumped via pipeline to create and restore approximately 334 acres of marsh in the project area.	2
CWPPRA	Cameron-Creole Maintenance	CS-04A	HR	3	NRCS	36	25	CAMERON	2602	1997, 2011	$4,644,371	The project area falls within the Cameron-Creole watershed management area, which has been adversely impacted by saltwater intrusion and loss of sediments due to channelization and water diversion of the Calcasieu River. The project will provide maintenance for the existing 19 miles of levee and five major structures which make up the Cameron-Creole Watershed Project.	4
CWPPRA	Brown Lake Hydrologic Restoration (Deauthorized)	CS-09	MM	2	NRCS	47, 36	25	CALCASIEU, CAMERON	916	Deauthorized	$1,097,828	The project will restore, to the extent possible, the natural hydrology of the area. A reduction in marsh loss and improved water conditions are expected to occur following project implementation. Long-term water management objectives will be directed towards maintaining a brackish marsh system.	4
CWPPRA	Sweet Lake/Willow Lake Hydrologic Restoration	CS-11B	SP	5	NRCS	47	25	CAMERON	247	2002	$3,929,152	The project objectives are to re-establish the shoreline (hydrologic boundary) between Sweet Lake and the Gulf Intracoastal Waterway (GIWW), to reduce lake turbidity and tidal exchange, and to halt erosion and trap sediment needed to rebuild marsh along the northern and northwestern shorelines of Sweet Lake. This project includes construction of rock embankments on the GIWW to close off the lakes, vegetation plantings to reduce erosion, and construction of earthen terraces combined with vegetation plantings in open water areas to promote revegetation.	4
CWPPRA	Sabine National Wildlife Refuge Erosion Protection	CS-18	SP	1	USFWS	47	25	CAMERON	5542	1995	$1,602,656	The goal of this project is to protect 13,000 acres of fresh marsh from deterioration associated with the anticipated failure of the existing west levee. The original design was to reconstruct 5.5 miles of eroded levee. The project was redesigned to include 1,000 feet of levee reconstruction and 5.5 miles of rock armor. Vegetation plantings were used to reduce erosion from boat traffic.	4
CWPPRA	West Hackberry Vegetative Planting Demonstration	CS-19	VP	1	NRCS	47	25	CAMERON		1994	$256,250	The goal of this demonstration project is to reduce marsh erosion from interior open water wave energy using vegetation plantings consisting of California bullrush (Schoenoplectus californicus). In addition, wave-stilling hay bale fences were utilized to protect the vegetation plantings.	4
CWPPRA	East Mud Lake Marsh Management	CS-20	MM	2	NRCS	36	25	CAMERON	1520	1996	$5,392,765	The project will create a hydrologic regime conducive to restoration, protection, and enhancement of the Mud Lake area by using various types of water control structures and vegetative plantings. Structural components include culverts with flap gates, two variable crest weirs, three earthen plugs, overflow bank and repair of existing levee.	4
CWPPRA	Highway 384 Hydrologic Restoration	CS-21	MM	2	NRCS	33	27	CAMERON	650	2000	$1,551,196	The project purpose is to restore the natural hydrology of the project area and eliminate undesirably high salinities and severe water fluctuations, tremendously reduce the potential for future marsh losses.	4
CWPPRA	Clear Marais Bank Protection	CS-22	SP	2	USACE	36	30	CALCASIEU	1067	1997	$3,696,088	The project is located north of the Gulf Intracoastal Waterway (GIWW) approximately 10 miles northwest of Hackberry in Calcasieu Parish, Louisiana. The goal of this project is to extend the rock armored shoreline stabilization by one mile adjacent to the GIWW to prevent continued erosion of the GIWW levee and to prevent the encroachment of the GIWW into the marshes north of the project area.	4
CWPPRA	Replace Sabine Refuge Water Control Structures at Headquarters Canal, West Cove Canal, and Hog Island Gully	CS-23	MM	3	USFWS	36	25	CAMERON	953	2001	$5,709,299	The project replaced the existing structures with ones that have substantially greater discharge potential and greater management flexibility.	4
CWPPRA	Perry Ridge Shore Protection	CS-24	SP	4	NRCS	33	30	CALCASIEU	1203	1999	$2,289,090	The project will reduce tidal scour, wave action from boats, and other excessive energy impacts on interior marshes and the possibility of saltwater intrusion by repairing the northern spoil bank of the GIWW. Rip-rap will be placed along low areas of the northern bank of the GIWW from Perry Ridge to Vinton Drainage Canal.	4
CWPPRA	Plowed Terraces Demonstration	CS-25	SNT	4	NRCS	33, 47	25, 30	CAMERON	N/A	2000	$325,641	This objective of this demonstration project is to develop and demonstrate a non-traditional procedure for constructing earthen terraces in shallow open water areas. Thirty-eight earthen terraces served as wave-stilling, sediment-trapping structures and provided a medium base for the establishment of emergent vegetation.	4
CWPPRA	Compost Demonstration (Deauthorized)	CS-26	MC	4	EPA	36	25	CAMERON	N/A	Deauthorized	$255,390	This project was authorized to evaluate the effectiveness of using tree trimmings as compostable material, using compost amended material in providing a growth medium for emergent vegetation, and determining settlement rates of the compost amended materials and tree trimmings. The project was officially deauthorized by the CWPPRA Task Force in January 2002.	4
CWPPRA	Black Bayou Hydrologic Restoration	CS-27	HR	6	NMFS	33	25	CALCASIEU, CAMERON	3594	2003	$6,170,284	The project goals are to reduce wetland loss resulting from hydrologic changes including reduced freshwater inflow, increased magnitude and duration of tidal fluctuations, increased salinities, higher water levels, and excessive water exchange. This project included the construction of spoil banks, weirs, plugs, and culverts designed to allow freshwater from the Gulf Intracoastal Waterway (GIWW) into the wetlands and to create a hydrologic head that increases freshwater retention time and reduces saltwater intrusion.	4
CWPPRA	Sabine Refuge Marsh Creation, Cycles 4-5	CS-28	MC	8	USACE	36	25	CAMERON	460	Pending	$9,361,705	The Sabine Refuge Marsh Creation Cycles 4-5 Project consists of the placement of dredged material from routine maintenance of the Calcasieu River Ship Channel via temporary pipeline into a marsh creation site within the Sabine National Wildlife Refuge.	4
CWPPRA	Sabine Refuge Marsh Creation, Cycles 1-3	CS-28-1	MC	8	USACE	36	25	CAMERON	662	2002, 2010	$24,627,399	The Sabine Refuge Marsh Creation Cycles 1-3 Project consists of the placement of dredged material from routine maintenance of the Calcasieu River Ship Channel via temporary pipeline into a marsh creation site within the Sabine National Wildlife Refuge.	4
CWPPRA	Black Bayou Culverts Hydrologic Restoration	CS-29	HR	9	NRCS	33	27	CALCASIEU	540	2007	$16,399,059	The project goal was to construct 10 box culverts (10 ft x 10 ft) with flap gates in the embankment of Highway 384 in Cameron Parish.	4
CWPPRA	GIWW - Perry Ridge West Bank Stabilization	CS-30	SP	9	NRCS	33	30	CALCASIEU	1132	2001	$2,256,216	The project consists of installing rock along the bank to prevent further erosion.	4
CWPPRA	Holly Beach Sand Management	CS-31	SP	11	NRCS	47	25	CAMERON	330	2003	$14,130,233	The purpose of the project is to protect existing coastal wetlands by restoring and maintaining the integrity and functionality of the remaining chenier/beach ridge. This objective was accomplished through beach renourishment, installation of sand fencing, vegetation plantings, and monitoring of the shoreline response. This project was originally authorized on the 9th PPL as the complex project: Holly Beach Project, CS-01.	4
CWPPRA	East Sabine Lake Hydrologic Restoration CU1	CS-32-CU1	TE, HR	10	USFWS	47	25	CAMERON	281	2009	$4,944,870	The objectives of this project are to protect and restore area marsh, and restore the historical hydrologic regime to the Sabine National Wildlife Refuge. This was to be accomplished using shoreline protection, terraces, vegetation plantings, and water control structures to reduce tidal scour, shoreline erosion, turbidity, and salinities. However, design of the water control structures has been discontinued and the remaining construction funds was used to build additional terraces.	4

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Cameron-Creole Freshwater Introduction	CS-49	VP, FD	18	NRCS	47	25	CAMERON	473	Pending	$12,787,044	The purpose of the project is to restore the function, value and sustainability to approximately 22,247 acres of marsh and open water by improving hydrologic conditions via freshwater input and increasing organic productivity.	4
CWPPRA	Kelso Bayou Marsh Creation and Hydrologic Restoration	CS-53	MC, SP	20	NRCS	47	25	CAMERON	274	Pending	$16,632,765	The goal of this project is to restore and protect approximately 319 acres of critically important marsh and the numerous functions provided by those acres. The proposed project will restore a portion of the historic meandering channel of Kelso Bayou and provide direct protection to Louisiana State Highway 27, the region's only northward hurricane evacuation route.	4
CWPPRA	Cameron-Creole Watershed Grand Bayou Marsh Creation	CS-54	MC	20	USFWS	47	25	CAMERON	534	Pending	$23,405,612	Project goals include creating 609 acres of brackish marsh and nourishing 7 acres of brackish marsh with dedicated dredged material from Calcasieu Lake to benefit fish and wildlife resources in the Cameron Prairie National Wildlife Refuge and adjacent brackish marshes of the Calcasieu Lake estuary.	4
CWPPRA	Oyster Bayou Marsh Creation and Terracing	CS-59	MC, SNT	21	NMFS	47	25	CAMERON	489	Pending	$3,165,322	The project consists of creating/nourishing marsh and associated edge habitat and creating terraces in order to reduce wave/wake erosion.	4
CWPPRA	Cameron Meadows Marsh Creation and Terracing	CS-66	MC, TE	22	NOAA	47	25	CAMERON	401	Pending	$3,108,025	This project involves constructings 334 acres of marsh, reestablishing Old North Bayou, utilizing dredged material from the Gulf of Mexico. The project also involves the construction of 35,000 linear feet of terraces (18 acres) to reduce wind generated wave fetch.	4
CWPPRA	Nutria Harvest for Wetland Restoration Demonstration	LA-03A	OTHER	6	USFWS	N/A	N/A	COASTWIDE	N/A	2003	$806,220	This project will enable the Louisiana Department of Wildlife and Fisheries to establish an economic incentive program to trap and control nutria, which are contributing to coastal wetland loss, by promoting the consumption of nutria meat.	COASTWIDE
CWPPRA	Coastwide Nutria Control Program	LA-03B	MM	11	NRCS	N/A	N/A	COASTWIDE	14963	N/A	$68,738,156	Project goal is to harvest approximately 400,000 nutria tails annually. Damage inflicted by nutria is estimated to be reduced 25 to 49%, and damaged areas to reduce by 25,000 to 49,000 acres.	COASTWIDE
CWPPRA	Floating Marsh Creation Demonstration	LA-05	OTHER	12	NRCS	51	21	TERREBONNE	N/A	2006	$1,080,891	The purpose of this demonstration project was to develop and test unique and previously untested technologies for creating floating marsh made of buoyant vegetated mats or artificial islands.	3A
CWPPRA	Shoreline Protection Foundation Improvements Demonstration	LA-06	SP	13	USACE	47	26	VERMILION	0	2006	$1,055,000	The purpose of the project is to Investigate the potential to improve the foundation of rock dikes. The project was paired with the South White Lake Shoreline Protection (ME-22) project.	4
CWPPRA	Bioengineered Oyster Reef Demonstration	LA-08	SP	17	NMFS	47	25	CAMERON	4.5	2012	$2,316,692	This project is intended to evaluate the Oysterbreak structure to prevent beach erosion and increase habitat diversity associated with natural oyster reefs.	4
CWPPRA	Sediment Containment System for Marsh Creation Demonstration	LA-09	MC	17	NRCS	51, 105	21, 20, 8	ST CHARLES	N/A	2013	$1,163,343	This demonstration project utilizes an uncoventional sediment containment system for marsh creation.	3A
CWPPRA	Non-rock Alternatives to Shoreline Protection Demo	LA-16	SP	18	NRCS	49, 105, 54	20, 22, 8	IBERIA, JEFFERSON, LAFOURCHE	N/A	Pending	$6,108,699	Project goals are to demonstrate different alternatives to rock shoreline protection methods by testing several different products along highly erosive shorelines in areas that are not conducive to construction with rock.	2, 3B
CWPPRA	Coastwide Planting	LA-39	VP	20	NRCS	N/A	N/A	COASTWIDE	779	Pending	$12,689,725	The goals of this project are to facilitate a consistent and responsive planting effort in coastal Louisiana that is flexible enough to routinely plant on a large scale and be able to rapidly respond to "hot spots" following storms or other damaging events.	COASTWIDE
CWPPRA	Freshwater Bayou Wetland Protection	ME-04	SP	2	NRCS	47	25	VERMILION	14381	1998	$6,035,584	The project features include the installation of 10,000 linear feet of rock breakwater (rip-rap) along the west shoreline of Freshwater Bayou Canal, where needed, to protect this shoreline from further erosion; and the installation of gated water control structures on the Acadiana Marina Canal to reduce ponding in the area known as the Freshwater Bayou Wetlands.	4
CWPPRA	Dewitt-Rollover Vegetative Plantings Demonstration (Deauthorized)	ME-08	VP	1	NRCS	47	26	VERMILLION	102	1994; Deauthorized	$92,147	This demonstration project's purpose was to investigate the ability of vegetation plantings of smooth cordgrass (Spartina alterniflora) to colonize a newly accreted mudflat, thereby establishing a vegetation buffer between the Gulf of Mexico and coastal wetlands. This project was officially deauthorized by the CWPPRA Task Force in February 1996 because no plants remained.	4
CWPPRA	Cameron Prairie National Wildlife Refuge Shoreline	ME-09	SP	1	USFWS	36	25	CAMERON	640	1994	$1,227,123	The project will protect the emergent wetlands of the Cameron Prairie National Wildlife Refuge adjacent to the GIWW, enhance the emergent wetlands protected by constructing approximately 2.5 miles of rock dike parallel	4
CWPPRA	Humble Canal Hydrologic Restoration	ME-11	HR	8	NRCS	36	25	CAMERON	378	2003	$1,530,812	The project consists of replacing the existing Humble Canal structure to restore water management capabilities to the area.	4
CWPPRA	Southwest Shore White Lake Demonstration (Deauthorized)	ME-12	SP	3	NRCS	47	25,26	IBERIA	N/A	1996; Deauthorized	$41,777	The objective of this demonstration project was to stabilize one mile of the White Lake shoreline and prevent breaching into Deep Lake. The project was initiated to determine if California bulrush (Schoenoplectus californicus) is effective at damping high energy wave action. The project was officially deauthorized by the CWPPRA Task Force in October of 1998 and is no longer monitored.	4
CWPPRA	Freshwater Bayou Bank Stabilization	ME-13	SP	5	NRCS	47	25	VERMILION	511	1998	$5,609,584	The goal of this project is to stop erosion along the bank of Freshwater Bayou Canal and to protect the interior wetlands from saltwater intrusion, increased tidal exchange and wake-induced erosion. This will be achieved by constructing a rock dike along critical areas of the eastern and western banks of the canal.	4
CWPPRA	Pecan Island Terracing	ME-14	TE	8	NMFS	47	26	VERMILION	437	2003	$2,390,984	The goal of this project is to convert areas of open water back to vegetated marsh. Project features included the construction of earthen terraces to reduce wave action. Terraces were constructed in a staggered gap formation and planted with smooth cordgrass (Spartina alterniflora) and California bulrush (Schoenoplectus californicus).	4
CWPPRA	Freshwater Introduction South of Highway 82	ME-16	HR	9	USFWS	47	25, 26	IBERIA	296	2006	$6,342,505	The purpose of the project was to move freshwater from White Lake across LA Hw 82 to target marshes and marsh restoration through earthen terraces.	4
CWPPRA	Little Pecan Bayou Hydrologic Restoration (Deauthorized)	ME-17	HR	9	NRCS	36	25	CAMERON	144	Deauthorized	$1,303,713	The purpose of the project was to introduce fresh water into brackish marsh habitat south of La. Highway 82 through use of water control structures and conveyance channels.	4
CWPPRA	Rockefeller Refuge Gulf Shoreline Stabilization	ME-18	SP	10	NMFS	47	25	CAMERON	863	Pending	$2,408,478	The purpose of the project was to construct a continuous near shore breakwater along the Gulf of Mexico shoreline, approximately 50,691 feet from Beach Prong to Joseph Harbor.	4
CWPPRA	Grand-White Lakes Landbridge Protection	ME-19	SP	10	USFWS	47	25	CAMERON	213	2004	$3,536,830	The purpose of the project was to prevent the coalesence of Grand and White Lakes through the installation of 11,000 feet of hard shoreline stabilization and construction of terraces.	4
CWPPRA	South Grand Chenier Hydrologic Restoration	ME-20	HR, MC	11	USFWS	47	25	VERMILION	440	Pending	$22,623,346	The object of the project was a reduction in salinity in target marshes via fresh water introduction from Upper Mud Lake via the Dr. Miller Canal and culverts under Hwy 82. Restoration of 402 acres of brackish marsh from shallow open water and nourishment of 51 acres of marsh (total 453 acres) in two cells (176 and 277 acres) via 1.55 M cubic yards of dredged material from a Gulf of Mexico borrow site.	4
CWPPRA	Grand Lake Shoreline Protection, Tebo Point	ME-21	SP	11	NRCS	47	25	CAMERON	495	Pending	$10,055,616	A rock dike was constructedto protect the south shoreline of Grand Lake from Catfish Lake to Tebo Point and perform O&M on this and portion from Superior Canal to Catfish Lake.	4
CWPPRA	South White Lake Shoreline Protection	ME-22	SP	12	USACE	47	26	VERMILION	844	2006	$19,673,961	A rock dike was constructed to protect the south shoreline of White Lake.	4
CWPPRA	South Pecan Island Freshwater Introduction (Deauthorized)	ME-23	FD	16	NMFS	47	26	CAMERON	98	Deauthorized	$4,438,693	The purpose of the project was to introduce freshwater from the lakes subbasin north, under Hwy. 82 and into the lakes subbasin south of Hwy. 82. The project was officially deauthorized by the CWPPRA Task Force in January of 2011.	4
CWPPRA	Southwest Louisiana Gulf Shoreline Nourishment and Protection	ME-24	OTHER	16	USACE	47	25, 26	IBERIA	888	Pending	$17,144,234	The goal of the project was to nourish 47,900 linear feet of gulf shoreline with sediment between Dewitt Canal and Big Constance Lake; and create approximately 421 acres of marsh platform, mud flat and shallow water, extending approximately 384 feet seaward. The project is on hold until the Phase I CSA template is finalized with the COE.	4
CWPPRA	Freshwater Bayou Marsh Creation	ME-31	MC	19	NRCS	47	26	VERMILION	401	Pending	$25,523,755	The purpose of the project is to create and/or nourish about 400 acres of marsh near Freshwater Bayou north of intersection with Humble Canal.	4
CWPPRA	South Grand Chenier Marsh Creation - Baker Tract	ME-32	MC	23	NRCS	47	25	CAMERON	393	Pending	$26,691,833	The purpose of this project is to create new wetland habitat, restore degraded marsh, and reduce wave erosion. Material dredged from the Gulf of Mexico will be utilized to create and nourish approximately 420 acres of marsh. Retention levees will be degraded and approximately 11,756 linear feet of tidal creeks will be constructed by tracking marsh buggies on the marsh platform for estuarine fisheries access. Smooth cordgrass plugs will be planted on 20-foot centers throughout the area (total 49,268 plants).	4

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	West Bay Sediment Diversion	MR-03	SD	1	USACE	105	1	PLAQUEMINES	9831	2003	$50,863,503	The project consists of a conveyance channel for large-scaled uncontrolled diversion of freshwater and sediments from the Mississippi River. The diversion channel would be constructed in two phases: (1) Initial construction of an interim channel to accommodate a discharge of 20,000 cubic feet per second (cfs) at the 50% duration stages in the River and marsh development areas, and (2) Modification of the interim diversion channel design to accommodate full-scale diversion of 50,000 cfs at the 50% duration stage on the River after a period of intensive monitoring of diversion operations.	2
CWPPRA	Channel Armor Gap Crevasse	MR-06	SD	3	USACE	105	1	PLAQUEMINES	2097	1997	$888,985	The project will consist of deepening the invert of the existing 150 foot wide gap in the Mississippi River channel bank armor. The existing invert will be lowered to -4.0 feet NGVD. In addition, an existing earthen channel leading from the armored gap to the open water area beyond the bank will be enlarged. Approximately 125,000 cubic yards of material will be excavated from the outfall channel and cast adjacent to the channel in a manner conducive to marsh nourishment.	1
CWPPRA	Pass-a-Loutre Crevasse (Deauthorized)	MR-07	SD	3	USACE	105	1	PLAQUEMINES	1043	Deauthorized	$119,835	The objective of this project was to create and restore marsh in the Mississippi River Delta. 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 CWPPRA Task Force in July of 1998 due to high costs attributed to relocating underground utilities in the area.	1
CWPPRA	Beneficial Use of Hopper Dredged Material Demonstration (Deauthorized)	MR-08	DM	4	USACE	105	1	PLAQUEMINES	N/A	Deauthorized	$58,309	The goal of this project was to utilize dredged material from a hopper dredge to create emergent vegetated marsh in an area that is currently a shallow open-water pond. Due to design problems, the project was officially deauthorized by the CWPPRA Task Force in November of 2000.	2
CWPPRA	Delta Wide Crevasses	MR-09	SD	6	NMFS	105	1	PLAQUEMINES	2386	1999	$4,728,318	The objective of this project is to promote the formation of emergent freshwater and intermediate marsh in shallow, open water areas of the Pass-a-Loutre Wildlife Management Area and the Delta National Wildlife Refuge by either cleaning existing splays or creating new ones.	1
CWPPRA	Dustpan Maintenance Dredging Operations for Marsh Creation in the Mississippi River Delta Demonstration	MR-10	DM	6	USACE	105	1	PLAQUEMINES	N/A	2002	$1,909,020	This project demonstrated the beneficial use of dredged material from routine maintenance of the Mississippi River Navigation Channel by using a dustpan hydraulic dredge to create and restore adjacent marsh. Approximately 40 acres of deteriorated marsh that had converted to shallow open water were restored with approximately 222,000 cubic yards of dredged material.	2
CWPPRA	Periodic Introduction of Sediment and Nutrients at Selected Diversion Sites Demonstration (Deauthorized)	MR-11	FD	9	USACE	105	1	ST BERNARD		Deauthorized	$83,556	This demonstration project intends to show the effectiveness of using a hydraulic pipeline dredge to provide increased sediment through a diversion structure or siphon. Monitoring of the project will determine not only the characteristics of the sediment input concentrations, but also the subsequent effects in the outfall area.	1
CWPPRA	Mississippi River Sediment Trap (Deauthorized)	MR-12	MC	12	USACE	105	1	PLAQUEMINES	1920	Deauthorized	$354,790	This project was reauthorized on the 12th PPL to create emergent wetlands through the beneficial use of material dredged from a sediment trap located between miles 5 and 1 above Head of Passes in the Mississippi River. The proposed sediment trap will consist of an area dredged out of the riverbed that will force sediment deposition. The project was officially deauthorized by the Breaux Act Task Force in October of 2009 due to the high cost to implement the project.	1, 2
CWPPRA	Benneys Bay Diversion (Deauthorized)	MR-13	SD	10	USACE	105	1	PLAQUEMINES	4580	Deauthorized	$976,580	The objective of the project is to create vegetated wetlands in shallow open water areas in Benneys Bay. The project would divert sediment in an effort to create, nourish, and maintain approximately 16,982 acres of fresh to intermediate marsh over the 20-year project life.	1
CWPPRA	Spanish Pass Diversion (Deauthorized)	MR-14	SD	13	USACE	105	1	PLAQUEMINES	433	Deauthorized	$310,151	The goal of this project is to create emergent marsh by diverting Mississippi River water and sediment from Grand Pass into open water receiving areas.	2
CWPPRA	Venice Ponds Marsh Creation and Crevasses	MR-15	MC	16	EPA	105	1	PLAQUEMINES	511	Pending	$8,998,008	The goals of the project are to create, maintain, nourish, and replenish existing deteriorating wetlands through dedicated dredging, hydrologic restoration, crevasse construction, and crevasse enhancement.	2
CWPPRA	Fritchie Marsh Restoration	PO-06	HR	2	NRCS	90	11	ST TAMMANY	1040	2001	$2,201,674	The purpose of the project is to achieve remediation of the causes of wetland loss in the area and to improve habitat for wildlife and fisheries. This will be accomplished by increasing the flow of fresh water into the marsh and managing the outfall.	1
CWPPRA	Violet Freshwater Distribution (Deauthorized)	PO-09A	HR	3	NRCS	103, 104	1,2	ST BERNARD	247	Deauthorized	$128,626	The objective of the outfall management plan was to optimize the use of freshwater and sediment supplied by the existing siphons by managing water flow through the area. This would be accomplished by reducing channelized flow and routing the diverted flow across marshes or through shallow water areas instead of through larger channels. This project was officially deauthorized by the CWPPRA Task Force in October of 2001 because of landrights issues.	1
CWPPRA	Bayou Sauvage National Wildlife Refuge Hydrologic Restoration, Phase 1	PO-16	HR	1	USFWS	100	2	ORLEANS	3800	1996	$1,680,193	The Lake Pontchartrain Hurricane Protection levee isolates units 3 and 4 of the Bayou Sauvage Wildlife Refuge from the surrounding marsh complex and establishes a large freshwater impoundment. The project will establish a means for removing the excess water during the spring and summer.	1
CWPPRA	Bayou LaBranche Wetland Creation	PO-17	MC	1	USACE	56	6	ST CHARLES	487	1994	$3,934,000	The project involved dredging sediments from Lake Pontchartrain to create vegetated wetlands in an area roughly bounded by I-10, Lake Pontchartrain, Bayou Labranche.	1
CWPPRA	Bayou Sauvage National Wildlife Refuge Hydrologic Restoration, Phase 2	PO-18	HR	2	USFWS	100	2	ORLEANS	1280	1997	$1,692,552	The construction of U.S. Highway 90, canals, railroad lines, and Lake Ponctchartrain hurricane protection levees has impounded the marsh in the project area. Project features consist of two 36-inch pumps, which operate to maintain water levels at 0.5 feet above or below marsh elevation to promote vegetative growth in the project area.	1
CWPPRA	Mississippi River Gulf Outlet (MRGO) Disposal Area Marsh Protection	PO-19	MM	3	USACE	103	1	ST BERNARD	755	1999	$318,445	The objective of this project is to preserve vegetated wetlands by repairing the lateral and rear dikes of the Mississippi River Gulf Outlet (MRGO) disposal areas. Repairs to a 28,000 linear-foot dike, in conjunction with the installation of metal box weirs with a single 40-inch pipe, was used to control and divert water flow to prevent the perched marshes from draining.	1
CWPPRA	Red Mud Demonstration (Deauthorized)	PO-20	MC	3	EPA	56	19	ST JOHN THE BAPTIST		Deauthorized	$520,129	This project was authorized to determine whether red mud, produced as a by-product of removing alumina from bauxite, could be utilized as marsh-creation material in combination with compost and marsh sediment. Construction of experimental units was initiated in 1997; however, due to unexpected problems with fill material, liners, and contaminants in the water source, the project was officially deauthorized by the CWPPRA Task Force in August 2001.	1
CWPPRA	Eden Isles East Marsh Restoration (Deauthorized)	PO-21	HR	4	NMFS	76	1	CAMERON	1453	Deauthorized	$39,025	The project intended to restore 2,536 acres of drained fastlands by actively managing water levels to maximize marsh creation. There was a change in landowners of the project area during the planning phase of this project. Consequently, the project was officially deauthorized by the CWPPRA Task Force in January 1998.	1
CWPPRA	Bayou Chevee Shoreline Protection	PO-22	SP	5	USACE	103	2	ORLEANS	212	2001	$2,589,403	The project consists of constructing a 5,000-foot earthen, erodible dike to contain dredged material from Lake Pontchartrain. The project will create about 150 acres of marsh.	1
CWPPRA	Hopedale Hydrologic Restoration	PO-24	HR	8	NMFS	103	1	ST BERNARD	106	2005	$2,281,287	This project is designed to abate site-specific wetland loss by replacing collapsed culverts installed in the 1950s near Ycloskey, Louisiana. Replacement of these structures would allow more rapid drainage of the area, improve fisheries access, reduce wetland loss rates, and protect approximately 3,086 acres of marsh.	1
CWPPRA	Bayou Bienvenue Pump Station Diversion and Terracing (Deauthorized)	PO-25	MC	8	NMFS	101, 103	1,2	TERREBONNE	442	Deauthorized	$212,152	This project intended to combine the use of existing pump stations with the construction of a diversion channel, water control structures, and earthen terraces planted with smooth cordgrass (Spartina alterniflora). This would force the flow of freshwater and nutrients through a deteriorated marsh area to abate site-specific marsh loss. The project was officially deauthorized by the CWPPRA Task Force in April 2002 because construction was determined to be too costly.	1
CWPPRA	Opportunistic Use of the Bonnet Carre Spillway (Deauthorized)	PO-26	FD	9	USACE	56	19	PLAQUEMINES	177	Deauthorized	$83,932	This project intended to abate high salinity stress on the vegetated wetlands surrounding Lake Pontchartrain. This objective was to be accomplished through the removal of pins from the Bonnet Carre´ Spillway structure during high flow periods in the Mississippi River to allow no more than 4,000 cubic feet per second of water to flow from the river into Lake Pontchartrain. This project was officially deauthorized by the CWPPRA Task Force in October of 2007 due to uncertainty of benefits and lack of landowner support.	1
CWPPRA	Chandeleur Islands Marsh Restoration	PO-27	VP	9	NMFS	103	1	ST BERNARD	88	2001	$839,927	The objective of this project was to accelerate the recovery period of barrier island areas overwashed by Hurricane Georges in 1998 through vegetation plantings. The overwash areas, which encompass 364 acres, are located at 22 sites along the Chandeleur Sound side of the island chain and were planted with smooth cordgrass (Spartina alterniflora).	1
CWPPRA	LaBranche Wetlands Terracing, Planting, and Shoreline Protection (Deauthorized)	PO-28	VP	9	NMFS	56	19	ST CHARLES	489	Deauthorized	$306,836	Located along Lake Pontchartrain, the project intended to reduce emergent marsh loss along the shoreline by restoring and creating 489 acres through marsh terracing, shoreline protection, and vegetation planting. This project was officially deauthorized by the CWPPRA Task Force in October of 2007.	1

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Lake Borgne Shoreline Protection	PO-30	SP	10	EPA	103, 104	1	ST BERNARD	229	2008	$28,908,775	The goal of this project is to maintain the integrity of the narrow strip of marsh that separates Lake Borgne from the Mississippi River Gulf Outlet (MRGO). This land helps protect the communities of Shell Beach, Yscloskey, and Hopedale from direct exposure to lake wave energy and storm surges. The goal will be accomplished through construction of a continuous nearshore rock breakwater.	1
CWPPRA	Lake Borgne and MRGO Shoreline Protection (Deauthorized)	PO-32	SP	12	USACE	103	1	ST BERNARD	93	Deauthorized	$1,089,193	The objective of this project is to preserve the marsh between Lake Borgne and the Mississippi River Gulf Outlet (MRGO) by preventing shoreline erosion. A rock dike will be constructed along the lake Borgne shoreline and along the northern bank of the MRGO. The Lake Borgne segment of this project was constructed by the USACE with funds from the 3th supplemental.	1
CWPPRA	Goose Point/Point Platte Marsh Creation	PO-33	MC	13	USFWS	89	11	ST TAMMANY	436	2009	$15,979,442	The goal of this project is to create about 437 acres of marsh and nourish about 114 acres of degraded marsh along the northern shoreline of Lake Pontchartrain.	1
CWPPRA	Alligator Bend Marsh Restoration and Shoreline Protection	PO-34	TE, VP, SP	16	NRCS	103	1	ORLEANS	121	Pending	$29,716,052	The goal of this project is to provide shoreline protection in Lake Borgne, starting at Alligator Point, using rock dikes and vegetative plantings.	1
CWPPRA	LaBranche East Marsh Creation	PO-75	MC	19	NRCS	56	19	ST CHARLES	715	Pending	$32,323,291	Project features consist of the creation of 729 acres of marsh and the nourishment of 202 acres of existing marsh using dedicated dredging from Lake Pontchartrain.	1
CWPPRA	Bayou Bonfouca Marsh Creation	PO-104	MC	20	USFWS	89, 90	11	ST TAMMANY	424	Pending	$23,875,866	The primary goal of the project is to create 533 acres and nourish 42 acres of low salinity brackish marsh in open water areas adjacent to Bayou Bonfouca with sediment pumped from Lake Pontchartrain.	1
CWPPRA	LaBranche Central Marsh Creation	PO-133	MC	21	NRCS	56	19	ST CHARLES	731	Pending	$43,409,208	Project features consist of the creation of 762 acres of marsh and the nourishment of 240 acres of existing marsh using dedicated dredging from Lake Pontchartrain.	1
CWPPRA	Grand Bayou Hydrologic Restoration (Deauthorized)	TE-10	HR	5	USFWS	35	20	LAFOURCHE	199	Deauthorized	$1,452,357	The objective of the project was to maintain emergent wetlands in this area by providing supplemental freshwater, nutrients, and sediment from the Atchafalaya River via the Gulf Intracoastal Waterway (GIWW). Project features included a water control structure on Bayou Pointe au Chien just south of its junction with St. Louis Canal, the relief structure on Grand Bayou, and the pipeline structure on Grand Bayou Canal. The project has been deauthorized.	3A
CWPPRA	Falgout Canal Planting Demonstration	TE-17	VP	1	NRCS	51	20	TERREBONNE	N/A	1996	$206,522	For this demonstration project, smooth cordgrass (Spartina alterniflora) suited to the salinity and habitat type of the Falgout Canal area was planted along the canal and protected by six types of wave-stilling devices.	3A
CWPPRA	Timbalier Island Planting Demonstration	TE-18	VP	1	NRCS	53	20	TERREBONNE	N/A	1996	$300,492	For this demonstration project, approximately 7,390 linear feet of sand fences were installed and vegetation suited to the salinity and habitat type of Timbalier Island was planted in several areas on the island to trap sand and buffer wind and wave energy.	3A
CWPPRA	Lower Bayou LaCache Hydrologic Restoration (Deauthorized)	TE-19	MM	1	NMFS	53	20	TERREBONNE	N/A	Deauthorized	$99,625	The project would have reduced marsh loss rates and improved fish and wildlife habitat quality by restoring natural north-south water exchange with estuarine water bodies and by reducing flow through the numerous dredged canals in the area. Because of problems with landrights and navigation, the project was officially deauthorized by the CWPPRA Task Force in February of 1996.	3A
CWPPRA	Isles Dernieres Restoration East Island	TE-20	BI	1	EPA	53	20	TERREBONNE	449	1999	$8,762,416	The project objective is to restore the coastal dunes and wetlands of the Eastern Isles Dernieres barrier island chain. Approximately 3.9 million cubic yards of sand were dredged from Lake Pelto and used to build a retaining dune which was then hydraulically filled to create an elevated marsh platform. Sand fences and vegetation were also installed to stabilize the sand and minimize wind-driven transport.	3A
CWPPRA	Point Au Fer Canal Plugs	TE-22	VP, MC	2	NMFS	51	20	TERREBONNE	375	1997	$5,544,367	This project is intended to reduce saltwater intrusion into the Point au Fer marshes without reducing freshwater back flooding from the Atchafalaya River. Phase I of this project, completed in 1997, involved the plugging of two major natural gas/oil pipeline canals on the eastern half of the island. Under Phase II, a rock shoreline stabilization structure was constructed in 2000 along a thin strech of beach separating the Gulf of Mexico from the Mobil Canal.	3B
CWPPRA	West Belle Pass Headland Restoration	TE-23	SP	2	USACE	54	20	LAFOURCHE	474	1998	$6,826,754	The project will reduce the encroachment of Timbalier Bay into the marshes on the west side of Bayou Lafourche with the use of dedicated dredged materials to create 184 acres of marsh on the west side of Belle Pass. A water control structure will be placed in the Evans Canal, and plugs on other canals.	3A
CWPPRA	Isles Dernieres Restoration Trinity Island	TE-24	BI, MC	2	EPA	53	20	TERREBONNE	776	1999	$10,774,974	The project objectives are to restore the Trinity Island (dunes and marsh) wetlands of the Isles Dernieres chain, enhance the physical integrity of the island, and protect the lower Terrebonne estuary.	3A
CWPPRA	East Timbalier Island Sediment Restoration	TE-25	BI	3	NMFS	54	20	TERREBONNE	1913	2001	$3,720,721	The objective of this project is to strengthen and thus increase the life expectancy of East Timbalier Island. The project called for the mining of 2.7 million cubic yards of sediment and placement of the material in three embayments along the landward shoreline of East Timbalier Island. The project also included aerial seeding of the dune platform, installation of sand fencing, and dune vegetation plantings.	3A
CWPPRA	Lake Chapeau Sediment Input and Hydrologic Restoration, Point Au Fer Island	TE-26	MC	3	NMFS	51	20	TERREBONNE	509	1999	$6,810,133	The objectives of this project are to restore the marshes west of Lake Chapeau, re-establish the hydrologic separation of the Locust Bayou and Alligator Bayou watersheds, and re-establish the natural drainage patterns within the Lake Chapeau area. To accomplish this material dredged from Atchafalaya Bay was used to create marsh, oil field access canals were plugged, and spoil banks were gapped. An estimated 850,000 cubic yards of material were hydraulically dredged from Atchafalaya Bay and spread to a thickness of approximately 2 feet to create 160 acres of marsh.	3B
CWPPRA	Whiskey Island Restoration	TE-27	BI, MC	3	EPA	53	20	TERREBONNE	657	2000	$7,106,586	The project created and restored beaches and back island marshes on Whiskey Island. The project created 523 acres of back island marsh and filling in the breach at Coupe Nouvelle (134 acres). The initial vegetation planting with smooth cordgrass (Spartina alterniflora) on the bay shore was completed in July 1998 and additional vegetation seeding/planting was carried out in Spring 2000.	3A
CWPPRA	Brady Canal Hydrologic Restoration	TE-28	HR	3	NRCS	53	20	TERREBONNE	297	2000	$7,593,752	The objective of the project is to maintain the fragile, highly-fragmented transitional marshes between the fresh and estuarine zones by enhancing freshwater, sediment, and nutrient delivery into the area.	3B
CWPPRA	Raccoon Island Breakwaters Demonstration	TE-29	BI	5	NRCS	53	20	TERREBONNE	N/A	1997	$1,795,388	The project will protect the newly refurbished beaches and wetlands of Raccoon Island and protect back barrier and mainland marshes with six segmented breakwaters.	3A
CWPPRA	East Timbalier Island Sediment Restoration	TE-30	BI	4	NMFS	54	20	TERREBONNE	215	2000	$7,600,150	The project goal is to strengthen and increase the life expectancy of East Timbalier Island by placing dredged material along its landward shoreline. Additional rock has been placed on the existing breakwater in front of the island, which will help protect the created area from erosion.	3A
CWPPRA	Flotant Marsh Fencing Demonstration (Deauthorized)	TE-31	SP	4	NRCS	51	21	TERREBONNE	N/A	Deauthorized	$106,960	The purpose of this demonstration project was to determine the effectiveness of different fencing techniques used to conserve and restore floating marshes. There was difficulty in locating an appropriate site for demonstration and in addressing engineering constraints. The restoration techniques that were originally suggested for this project were not feasible. The project was officially deauthorized by the CWPPRA Task Force in October of 2001.	3A
CWPPRA	North Lake Boudreaux Basin Freshwater Introduction and Hydrologic Management	TE-32A	FD	6	USFWS	51, 52, 53	20	TERREBONNE	603	Pending	$25,766,765	The project aims to introduce freshwater from the HNC through an enlarged Bayou Pelton channel across Bayou Grand Caillou and through a gated channel.	3A
CWPPRA	Bayou Boeuf Pump Station (Deauthorized)	TE-33	HR	6	EPA	50, 51, 55, 60	21	TERREBONNE	N/A	Deauthorized	$3,452	The purpose of this project was to link the wetlands protection/restoration objectives of the CWPPRA with flood protection and navigation needs generally covered by WRDA. The project components consisted of implementing a long-term water management strategy for the Verret Basin, and evaluating a long-term river water delivery strategy from Atchafalaya River to Terrebonne wetlands. The project was officially deauthorized by the CWPPRA Task Force in July of 1998.	3A
CWPPRA	Penchant Basin Natural Resources Plan, Increment 1	TE-34	FD, HR, SP	6	NRCS	53	20	TERREBONNE	675	2011	$17,628,814	The objective of the project is to divert freshwater flow from north-western to south-eastern sub project areas coupled with protection measures to reduce inundation of fragile marsh areas in overall Penchant Basin in Terrebonne Parish.	3B
CWPPRA	Marsh Creation East of the Atchafalaya River - Avoca Island (Deauthorized)	TE-35	MC	6	USACE	51	21	ST MARY	434	Deauthorized	$66,869	The project consisted of the beneficial use of dredged material from the "Crew Boat Chute" and placing it in the Avoca Island area. Although the project would have benefited 434 acres at a cost of $6,438,400, the cost of the project was estimated to be considerably higher than originally planned, making it economically unjustifiable. The project was officially deauthorized by the CWPPRA Task Force in July of 1998.	3B
CWPPRA	Thin Mat Floating Marsh Enhancement Demonstration	TE-36	MC	7	NRCS	51	21	TERREBONNE	N/A	2000	$538,101	The objective of this project is to induce the development of thick-mat, continuously floating marsh from a thin-mat flotant using various combinations of treatments including fertilization, herbivory reduction, and transplanting healthy, thick-mat marsh plugs into the thin-mat flotant. The project will also determine the effects of water movement and sediment availability on these marshes.	3B

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	New Cut Dune and Marsh Restoration	TE-37	BI, MC	9	EPA	53	20	TERREBONNE	386	2008	$12,869,325	The objective of this project was to close the breach between East and Trinity Islands that was originally created by Hurricane Carmen (1974) and subsequently enlarged by Hurricane Juan (1985) and Hurricane Andrew (1992). The project will create barrier island dunes and marsh habitat and lengthen the structural integrity of the eastern Isles Dernieres by restoring the littoral drift and adding sediment into the near-shore system.	3A
CWPPRA	South Lake Decade Freshwater Introduction	TE-39	SP	9	NRCS	51	20	TERREBONNE	202	2011	$5,223,806	This project will include the construction of a water control structure in the southern bank of Lake DeCade. This will increase the amount of Atchafalaya River water and sediment introduced into the marshes south of the lake. In addition, shoreline protection will be implemented adjacent to the proposed structure, and a weir in Lapeyrouse Bayou will be removed.	3A
CWPPRA	Timbalier Island Dune and Marsh Restoration	TE-40	BI, MC	9	EPA	53	20	TERREBONNE	663	2004	$16,662,199	Timbalier Island is migrating rapidly to the west/northwest; therefore, the western end of Timbalier Island is undergoing lateral migration by spit-building processes at the expense of erosion along the eastern end. The objective of this project is to restore the eastern end of Timbalier Island by the direct creation of beach, dunes, and marsh.	3A
CWPPRA	Mandalay Bank Protection Demonstration	TE-41	SP	9	USFWS	51, 52	21, 20	TERREBONNE	N/A	2003	$1,732,498	This demonstration project is intended to develop new techniques for protecting and restoring organic soils, which can be easily eroded. Intact banks and breakthroughs were treated to determine the cost-effectiveness of demonstrated approaches. The project will evaluate several low-cost solutions for restoring habitat in blowout areas and preventing bank erosion.	3A, 3B
CWPPRA	GIWW Bank Restoration of Critical Areas in Terrebonne	TE-43	SP	10	NRCS	51	21	TERREBONNE	345	2014	$13,022,245	The project objective is to restore critical lengths of deteriorated channel banks and stabilize/armor selected critical lengths of deteriorated channel banks with hard shoreline stabilization materials. A portion of this project will be constructed using CIAP 2007 funds and the remainder of the project has received Phase 2 funding through CWPPRA.	3A
CWPPRA	North Lake Mechant Landbridge Restoration	TE-44	SP, MC	10	USFWS	51	20	TERREBONNE	604	2009	$39,004,428	The project will help to maintain and restore the landbridge (Lake Mechant north shoreline and the Small Bayou La Pointe Ridge) which provides a hydrologic barrier between brackish and low-salinity habitats. Project features include marsh creation, the planting of smooth cordgrass (Spartina alterniflora) on the shoreline, the construction of various plugs, and repairing a fixed-crest weir along Bayou Raccourci.	3A
CWPPRA	Terrebonne Bay Shore Protection Demonstration	TE-45	SP	10	USFWS	53	20	TERREBONNE	0	2007	$2,718,768	This project is intended to evaluate several different shoreline protection methods, including concrete mats, artificial oyster reefs and A-Jacks.	3A
CWPPRA	West Lake Boudreaux Shoreline Protection and Marsh Creation	TE-46	SP	11	USFWS	51	20	TERREBONNE	145	2008	$17,893,813	The purpose of this project is to create and nourish about 200 acres of marsh along the western shoreline of Lake Boudreaux to protect the shoreline from erosion due to direct exposure to lake wave energy and to restore interior marsh lost to subsidence and saltwater intrusion.	3A
CWPPRA	Ship Shoal: Whiskey West Flank Restoration	TE-47	BI	11	EPA	53	20	TERREBONNE	500	Pending	$1,599,810	The objective of this project is to rebuild dunes and a marsh platform on the west flank of Whiskey Island through the deposition of dredged material transported from Ship Shoal. This project will provide a barrier to reduce wave and tidal energy, thereby protecting mainland shoreline from continued erosion.	3A
CWPPRA	Raccoon Island Shoreline Protection and Marsh Creation	TE-48	BI, MC	11	NRCS	51	20	TERREBONNE	16	2007, 2013	$20,114,793	The purpose of the project is to protect the existing southern shoreline of the island by constructing 8 more rock breakwaters. Phase B will utilize dredged sediment from the Gulf of Mexico to create marsh on the land side of the island.	3A
CWPPRA	Avoca Island Diversion and Land Building (Deauthorized)	TE-49	FD, MC	12	USACE	51	21	ST MARY	N/A	Deauthorized	$19,157,200	Project features include a small diversion from Bayou Shaffer into Avoca Lake paired with marsh creation through dedicated dredging.	3A
CWPPRA	Whiskey Island Back Barrier Marsh Creation	TE-50	BI	13	EPA	51, 53	20	TERREBONNE	270	2010	$30,414,083	The goal of this project was to recreate a back barrier marsh platform on which the barrier island can migrate in order to increase the longevity of the previously restored and natural portions of the island. Heavy construction was complete in the fall of 2009. Project features included construction of 316 acres of back barrier marsh, 5,800 linear feet of tidal creeks, three 1-acre tidal ponds, and 13,000 linear feet of sand dune on the gulf side beach shore.	3A
CWPPRA	Madison Bay Marsh Creation and Terracing	TE-51	MC, TE	16	NMFS	53	20	TERREBONNE	1019	Pending	$32,353,377	The goals of this project are to create and nourish marsh and associated edge habitat and to promote conditions conducive to the growth of submerged aquatic vegetation. The proposed terraces will reduce the wave erosion of existing marshes along the fringes of Madison Bay. The project would benefit approximately 1,019 acres of fresh marsh and open water over the 20-year project life.	3A
CWPPRA	West Belle Pass Barrier Headland Restoration	TE-52	BI	16	NMFS	54	20	LAFOURCHE	389	2012	$39,422,093	This project will reestablish the West Belle headland by rebuilding a large portion of the beach, dune, and back barrier marsh that once existed. Approximately 9,300 feet of beach and dune will be rebuilt.	3A
CWPPRA	Enhancement of Barrier Island Vegetation Demo	TE-53	VP	16	EPA	51, 53	20	TERREBONNE	N/A	2011	$919,264	The goal of this project is to test several technologies or products to enhance the establishment and growth of key barrier island and salt marsh vegetation. The project will focus specifically on enhancing the establishment and growth of transplants of both dune vegetation [bitter panicum (Panicum amarum) and sea oats (Uniola paniculata)] and marsh vegetation [smooth cordgrass (Spartina alterniflora) and black mangrove (Avicennia germinans)].	3A
CWPPRA	Central Terrebonne Freshwater Enhancement	TE-66	MC, HR	18	NRCS	51	20	TERREBONNE	456	Pending	$16,640,120	The project will reestablish historic hydrologic and salinity conditions by reducing the artificial intrusion of Gulf marine waters via the Grand Pass into the Central Terrebonne marshes while enhancing the influence of the Atchafalaya River waters into the area.	3A
CWPPRA	Lost Lake Marsh Creation and Hydrologic Restoration	TE-72	HR, MC	19	USFWS	51	20	TERREBONNE	749	Pending	$22,943,866	Project goals include 1) restore an important feature of structural framework between Lake Pagie and Bayou Decade to prevent the coalescence of those two water bodies, 2) increase the delivery of fresh water, sediments, and nutrients into marshes north and west of Lost Lake, 3) reduce fetch in open water areas via construction of a terrace field.	3A, 3B
CWPPRA	Terrebonne Bay Marsh Creation - Nourishment	TE-83	MC	20	USFWS	53	20	TERREBONNE	353	Pending	$27,414,401	Project goals are to create 365 acres of intertidal marsh in shallow open water and nourish 299 acres of fragmented marsh within the project area reducing water exchange between Terrebonne Bay and interior lakes during tidal and small storm events and to reduce erosion along 16,000 ft of the northern Terrebonne Bay shoreline.	3A
CWPPRA	North Catfish Lake Marsh Creation	TE-112	MC	22	NRCS	54	20	LAFOURCHE	265	Pending	$3,216,194	Sediments will be hydraulically dredged from Catfish Lake and pumped via pipeline to create approximately 415 acres of marsh habitat and nourish an additional 251 acres of marsh habitat.	3a
CWPPRA	Island Road Marsh Creation & Nourishment	TE-117	MC	23	NOAA	53	20	TERREBONNE	312	Pending	$40,435,267	The proposed project's primary feature is 364 acres of created saline marsh and 19 acres of nourished saline marsh adjacent to Island Road. Sediment will be hydraulically pumped from a borrow source near Lake Felicity. Half of the newly constructed marsh (182 acres) will be planted following construction to stabilize the platform and reduce time for full vegetation. The project would result in an approximate net increase of 312 acres over the 20-year project life.	3A
CWPPRA	Vermilion River Cutoff Bank Protection	TV-03	SP	1	USACE	47	25	VERMILION	202	1996	$2,047,479	The project design includes protecting the east side of the Vermilion River Cutoff with rock to prevent further erosion; hardening the points on existing land bridges on the west bank of the Cutoff with rock; and constructing sediment trapping fences on the Vermilion Bay side to help stabilize and protect the land bridge from wave action in the Bay.	3B
CWPPRA	Cote Blanche Hydrologic Restoration	TV-04	HR	3	NRCS	51	21	ST MARY	2223	1998	$10,093,902	The primary objectives of the project are to reduce future shoreline loss from wave erosion, reduce excessive tidal fluctuations and rapid tidal exchange to prevent scouring of interior marsh, develop a hydrologic regime conducive to sediment and nutrient deposition, and to re-establish vegetation in eroded areas.	3B
CWPPRA	Boston Canal/Vermilion Bay Bank Protection	TV-09	SP	2	NRCS	47	22	VERMILION	378	1995	$1,043,748	The project will stabilize 15 miles of Vermilion Bay shoreline and prevent further regression of the Boston Canal banks. A strip of Vermilion Bay shoreline approximately 25 feet wide by 15 miles long would be planted with single stems of Spartina alterniflora at 3 foot intervals.	3B
CWPPRA	Freshwater Bayou Bank Stabilization - Belle Isle Canal to Lock (Inactive)	TV-11B	SP	9	USACE	47	26	VERMILION	N/A	Inactive	$1,101,738	The project will construct a rock dike to protect the east shoreline of Freshwater Bayou Canal.	3B
CWPPRA	Little Vermilion Bay Sediment Trapping	TV-12	TE	5	NMFS	50	26	VERMILION, IBERIA	441	1999	$886,030	This project is designed to optimize the retention of sediment from the Atchafalaya River to create new marsh areas in Little Vermilion Bay. Dredged material was placed to create emergent marsh, thereby protecting the existing shoreline from wind-induced wave erosion.	3B
CWPPRA	Oaks/Avery Canal Hydrologic Restoration, Increment 1	TV-13A	HR	6	NRCS	47	22	VERMILION, IBERIA	160	2002	$2,925,216	The objective of the project is to improve hydrology, reduce tidal fluctuation to minimize marsh loss, and provide protection to critically eroding bankline and shoreline area.	3B

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Marsh Island Hydrologic Restoration	TV-14	HR	6	USACE	49	22	IBERIA	408	2001	$5,143,323	The objective of the project is to stabilize the northeastern shoreline of Marsh Island, including the northern shoreline of Lake Sand, and to help to restore the historical hydrology. The project included construction of nine plugs in oil and gas canals at the northeast end of Marsh Island, protection of the northeast shoreline with rock, and isolation of Lake Sand from Vermilion Bay with a rock dike.	3B
CWPPRA	Sediment Trapping at "The Jaws"	TV-15	TE, VP	6	NMFS	50	21	ST MARY	1999	2005	$1,653,792	The objective of the project is to induce sedimentation to create emergent vegetated wetlands. This will be achieved by constructing wetland terraces, thereby reducing wave fetch. Distributary channels will be dredged to deliver water and sediment to the project area.	3B
CWPPRA	Cheniere Au Tigre Sediment Trapping Demonstration	TV-16	SNT	6	NRCS	47	25	VERMILION	N/A	2001	$624,999	The objective of the project is to field test a conceptual device designed to trap sediment from the gulf tides, stabilize the on-going erosion on Cheniere au Tigre and build up portions of the coastline that have already eroded away.	3B
CWPPRA	Lake Portage Land Bridge	TV-17	SP	8	NRCS	47	22	VERMILION	1496	2004	$1,181,129	The objective of this project is to prevent the shoreline south of Lake Portage from breaching and creating another pass from Vermilion Bay to the Gulf. The project consists of backfilling a canal and armoring the beach with rock.	3B
CWPPRA	Four Mile Canal Terracing and Sediment Trapping	TV-18	TE	9	NMFS	49	26	IBERIA	52	2004	$2,667,186	This project includes construction and planting of terraces with smooth cordgrass (Spartina alterniflora) within Little White Lake and Little Vermilion Bay, along Four Mile Canal, to abate wave-induced shoreline erosion and facilitate sedimentation in the open water areas between the terraces.	3B
CWPPRA	Weeks Bay Marsh Creation and Shore Protection/ Commercial Canal Freshwater Redirection (Transferred)	TV-19	SP	9	USACE	49	22	IBERIA	N/A	Transferred	$30,227	The goal of the project is to create marsh to restore land-bridge separating Weeks Bay and GIWW.	3B
CWPPRA	Bayou Sale Shoreline Protection	TV-20	SP	13	NRCS	50	21	ST MARY	131	Pending	$32,103,020	The goal of the project is to protect an eroding shoreline with approx 35,776 feet of rock dike shoreline protection.	3B
CWPPRA	East Marsh Island Marsh Creation	TV-21	MC	14	NRCS	49	22	IBERIA	1159	2010	$21,215,936	The objective of the project was to create approximately 362 acres of sustainable marsh. The majority of the project area has been converted to open water, primarily because of hurricane Lili (2002). Through the use of approximately $5 million in unused construction funds, over 500 acres of additional marsh was created/nourished. The sediment for marsh creation was dredged from East Cote Blanche Bay and pumped a maximum of 6 miles.	3B
CWPPRA	Cole's Bayou Marsh Creation	TV-63	MC	21	NMFS	47	26	VERMILION	398	Pending	$3,136,806	The project consists of creating/nourishing marsh habitat and increasing freshwater and sediment inflow into interior wetlands by improving project area hydrology.	3B
FEDERAL	Lake Pontchartrain Hurricane Mitigation Project	HPL-MIT	SP	-	USACE	56	19	ST JOHN THE BAPTIST	600	1996	$2,222,892	This project consisted of a near-shore, segmented breakwater system in Lake Pontchartrain parallel to a five-mile reach of the Manchac Wildlife Management Area. The project specifically mitigated for damages resulting from construction of the Lake Pontchartrain Hurricane Protection project.	1
FEDERAL	MRGO Ecosystem Restoration	PO-65	VP, FD, MM, SP, MC	-	USACE	104, 103	2, 1	ST BERNARD, ORLEANS	53700	Pending	$2,900,000,000	This project is intended to restore some of the ecosystem damaged by construction of MRGO.	1
FEDERAL	Lost Lake Vegetation Project	TE-082	VP	-	USFWS	51	20	TERREBONNE		Pending	$161,000	This coastal vegetative planting project is for erosion control and habitat restoration in the Lost Lake area of southwestern Terrebonne Parish.	3A
FEMA	Houma Navigation Canal Levee Maintenance	DSR-81557	SP	-	FEMA	53	20	TERREBONNE	4000	1995	$218,165	This FEMA project involved the repair of segments of the western bank of the Houma Navigation Canal damaged by Hurricane Andrew in 1992.	3A
FEMA	Wine Island	DSR-81558	DM	-	FEMA	53	20	TERREBONNE	25	1995	$253,579	This FEMA project was a cooperative venture with the USACE in the beneficial use of dredged material from a scheduled Houma Navigational Canal maintenance dredging project. The island was repaired to pre-Hurricane Andrew condition and planted with vegetation to stabilize the sediment.	3A
FEMA	Timbalier Island Repairs	DSR-81559	BI	-	FEMA	53	20	TERREBONNE	70	1996	$551,653	This FEMA project closed a major breach created by Hurricane Andrew and provided a 300-foot-wide elevated marsh platform to stabilize the island. Vegetation was also planted to stabilize the sand.	3A
FEMA	East Island Repair Protection	DSR-81560	DM	-	FEMA	53	20	TERREBONNE	25	1996	$633,179	This FEMA project constructed an elevated marsh platform in an area of a Terrebonne Parish project destroyed by Hurricane Andrew in 1992. Vegetation was also planted to stabilize the sand.	3A
FEMA	LaBranche Wetlands	DSR-81768	SP	-	FEMA	56	19	ST CHARLES		2000	$43,315	A 700-foot section of a Christmas tree brush fence was repaired. This project was damaged by Hurricane Georges, Hurricane Earl, and Tropical Storm Francis in 1998.	1
FEMA	Timbalier Island	DSR-81784	BI	-	FEMA	53	20	TERREBONNE		2000	$181,394	This FEMA project repaired sand fencing on Timbalier Island that was destroyed during a series of tropical storms and hurricanes in the fall of 1998.	3A
FEMA	Falgout Canal	DSR-81785	SP	-	FEMA	53	20	TERREBONNE		2000	$10,761	This FEMA project replaced flap gates on water control structures damaged during tropical storms and hurricanes in the fall of 1998. The installation of the new flapgate culverts was completed by Terrebonne Parish Consolidated Government.	3A
FEMA	East Island	DSR-81786	VP	-	FEMA	53	20	TERREBONNE		2000	$168,113	This FEMA project involved the planting of marsh vegetation on the dune and Lake Pelto shoreline of East Island. This area is part of a CWPPRA project damaged by a series of tropical storms and hurricanes in the fall of 1998. A total of 4,280 smooth cordgrass (Spartina alterniflora), 500 black mangrove (Avicennia germinans), and 6,147 roseau cane (Phragmites australis) plants were planted in April 2000.	3A
FEMA	Isle Dernieres (Whiskey Island)	DSR-81787	VP	-	FEMA	53	20	TERREBONNE		2000	$581,566	This FEMA project involved the installation of sand fencing and the planting of vegetation to repair areas of Whiskey Island damaged by tropical storms and hurricanes during the fall of 1998. This area is part of a CWPPRA project area and CWPPRA funds were combined with the FEMA funds for repairs.	3A
FEMA	Marsh Island Repairs	PW-1646	MM	-	FEMA	49	22	IBERIA		2005	$885,861	This FEMA project consisted of repairs to areas of stone paving, stone dikes, and minor repair of navigation aids on the Marsh Island Hydrologic Restoration (TV-14) project damaged during Hurricane Lili in 2002. The project also included minor maintenance work paid for by CWPPRA.	3B
FEMA	Cote Blanche Repairs	PW-1906	HR	-	FEMA	50	21	ST MARY		2005	$64,092	This FEMA project consisted of repairs to areas of stone paving, stone dikes, and minor repair of navigation aids on the Cote Blanche Hydrologic Restoration (TV-04) project damaged during Hurricane Lili in 2002. The project also included minor maintenance work paid for by CWPPRA.	3B
FEMA	Cameron Creole Structures	PW-4257	HR	-	FEMA	47	25	CAMERON		2007	$325,700	This FEMA project consists of repairs to five structures of the Cameron-Creole Maintenance (CS-04a) project that were damaged by Hurricane Rita in 2005. These structures are located at Grand, Peconi, Lambert, No Name, and Mangrove Bayous.	4
FEMA	Holly Beach Sand Fencing	PW-4403	SP	-	FEMA	47	25	CAMERON		2006	$218,473	This FEMA project consists of the replacement of 46,000 linear feet of sand fencing on the Holly Beach Sand Management (CS-31) project that was destroyed by Hurricane Rita in 2005.	4
FEMA	Hopedale Hydrological Structure	PW-8743	HR	-	FEMA	103	1	ST BERNARD		2007	$64,900	This FEMA project consists of repairs to the water control structure of the Hopedale Hydrologic Restoration (PO-24) project that was damaged by Hurricane Katrina in 2005. Repairs were made to damaged fencing, railings, and displaced riprap, and a lost portable hydraulic actuator is being replaced.	1
FEMA	Montegut Wetlands		MM	-	FEMA	53	20	TERREBONNE		2005	$1,093,962	This FEMA project repaired damage to the Montegut Wetland (TE-01) project that occurred during Hurricane Lili in 2002. The project consisted of refurbishing and reconstructing 17,000 linear feet of an existing earthen levee using off-site borrow material.	3A
HSDRRS	Grand Isle and Vicinity	BA-73	SP	-	USACE	105	8	JEFFERSON		Pending	$25,000,000	The Grand Isle and Vicinity Hurricane Protection Project consists of a 7.5 mile vegetated sand dune extending the length of Grand Isle's gulf shore, a jetty to stabilize the western end of the island at Caminada Pass, and an offshore breakwater system.	2
HSDRRS	Storm-Proofing of Interior Pumping Stations	BA-74	FP	-	USACE	105,103,73	3, 8, 2, 10, 7, 9, 6, 5,	JEFFERSON, ORLEANS	N/A	Pending	$3,500,000	Addition of various improvement features to the interior pump stations of Orleans and Jefferson Parish under the Hurricane and Storm Damage Risk Reduction System (HSDRRS).	2
HSDRRS	HSDRRS Mitigation- WBV	BA-109	MC	-	USACE	84, 54, 83	8, 20	JEFFERSON, LAFOURCHE	1318	Pending	$27,000,000	State's involvement with USACE's mitigation projects for West Bank and Vicinity (WBV).	2, 3a
HSDRRS	Risk Reduction- Barataria Basin Landbridge	BA-148	MC, HP	-	USACE	84	8	JEFFERSON	223	Pending	$10,100,000	This project is being led by USACE and is 100% federally funded with $10.1 Million allocated by the U.S. 4th Supplemental Appropriations as a Hurricane Risk Reduction project. It provides for about 101 acres of marsh creation and 122 acres of marsh nourishment on the south shore of the Pen, with approx. 1.2 million cu yds of dredge material from a 106 acre borrow site and construction of an earthen containment dike approx. 14,130 ft. in length.	2

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
HSDRRS	Previously Authorized Mitigation WBV	BA-154	MM, VP, PP	-	USACE	56, 83	19, 9	JEFFERSON, ST. CHARLES	1130	Pending	$79,000,000	This project is being led by USACE and is 100% federally funded with approximately $79 Million allocated. It provides for about 1,130 acres of mitigation. Mitigation to be implemented includes: 1) acquisition, improvement, and management of approximately 128 acres of BLH wetland habitat adjacent to Bayou Segnette State Park to mitigate for approximately 45 AAHUs of impact to BLH drained habitat, 2) acquisition of approximately 970 acres of high value wooded wetlands in St. Charles Parish to mitigate for approximately 293 AAHUs of impact to swamp and BLH habitats, 3) acquisition, improvement, and management of approximately 350 acres of high quality wooded lands in St. Charles Parish to mitigate for approximately 113 AAHUs of impact to swamp and BLH habitats.	2
HSDRRS	Plaquemines TFU Mitigation - Braithwaite to Scarsdale - Big Mar	BA-156	MC	-	USACE	103	1	PLAQUEMINES	24	Pending	$2,800,000	This project is being led by USACE and is 100% federally funded with approximately $2.8 Million allocated. It provides for the creation of approximately 24 acres of Marsh. Also, Plaquemines Parish will be combining a neighboring local project of 16 acres of marsh creation to this project with supplemental funding for a total of 40 acres.	1
HSDRRS	New Orleans to Venice Mitigation - Plaquemines Non-Federal	BA-158	MC	-	USACE	105, 103	8, 1	PLAQUEMINES	342	Pending	$14,500,000	State's involvement with USACE's mitigation projects for the New Orleans to Venice (NOV) Plaquemines Non-Federal Levee projects. This project is being led by USACE and is 100% federally funded with approximately $14.5 Million allocated. It provides for about 180 acres of mitigation, which includes approximately 50 acres of BLH wet/dry combined, 50 acres of swamp, 60 acres of freshwater marsh, and 20 acres of brackish marsh.	2, 1
HSDRRS	New Orleans to Venice Mitigation - Federal	BA-159	MC	-	USACE	105, 103	8, 1	PLAQUEMINES	410	Pending	$30,000,000	State's involvement with USACE's mitigation projects for the New Orleans to Venice (NOV) Federal Levee projects. This project is being led by USACE and is 100% federally funded with approximately $30 Million allocated. It provides for about 700 acres of mitigation, which includes approximately 130 acres of BLH wet/dry combined, 140 acres of intermediate marsh, 70 acres of freshwater marsh, 76 acres of brackish marsh, and 280 acres of saline marsh.	2, 1
HSDRRS	Risk Reduction Via Modification to the Caernarvon Freshwater Diversion	BS-03B	FD, SD, HP	-	USACE	103	1	PLAQUEMINES	65	Pending	$10,100,000	This project is being led by USACE and is 100% federally funded with $10.1 Million allocated by the U.S. 4th Supplemental Appropriations as a Hurricane Risk Reduction project. It provides for redirecting water from the Caernarvon Diversion into the 40 Arpent Canal to enhance the movement of fresh, sediment-laden water into the marsh north of Lake Lery in order to halt and reverse marsh deterioration. This project was originally included as a shunt under CWWPRA BS-16 but removed to allow USACE to fund it as a marsh creation project.	1
HSDRRS	Lake Pontchartrain & Vicinity, Lake Borgne Surge Barrier LPV-IHNC-02	PO-55	FD	-	USACE	97, 79, 94, 56, 92, 104, 81, 103, 101, 100	3, 2, 1, 10, 6, 19, 4, 9	ST BERNARD, ORLEANS		2013	$1,204,000,000	This project will construct a Hurricane Surge Barrier across the tip of Lake Borgne connecting the MRGO levees south of Bayou Bienvenue with the GIWW levees East of Michoud Canal with floodgates at Bayou Bienvenue and GIWW.	1
HSDRRS	Lake Pontchartrain and Vicinity (HPO)	PO-56	FD	-	USACE	97, 79, 94, 56, 92, 104, 81, 103, 101, 100	3, 2, 1, 10, 6, 19, 4, 9			Pending	$2,935,344,422	To build and/or restore the hurricane protection system (levees, floodwalls, and structures) in Orleans and St. Bernard Parishes for the purpose of reducing the risk of flooding the area agaist a 1% storm event.	1
HSDRRS	SELA	PO-57	OTHER	-	USACE	103, 87, 81,	5, 8, 2, 4, 9	JEFFERSON, ORLEANS	20,000,000	Pending	$1,262,800,000	Drainage and Pump Station projects within Jefferson Parish and Orleans Parish, on both the east bank and west bank of the Mississippi River.	1,2
HSDRRS	Permanent Closure of Canals and Pumps	PO-60	HP	-	USACE	97, 96, 95, 94, 93, 82, 81, 99	3, 2	ORLEANS, JEFFERSON		Pending	$807,000,000	In June 2006, Congress passed Public Law 109-234 giving the Corps authorization and appropriations of approximately $800 million to design and construct a permanent protection system for the outfall canals – specifically to, "…modify the 17th Street, Orleans Avenue, and London Avenue drainage canals and install pumps and closure structures at or near the lakefront..."	1
HSDRRS	West Shore Lake Pontchartrain	PO-62	HP	-	USACE	59, 58, 57, 56, 88	19, 18	ST JOHN THE BAPTIST, ST CHARLES, ST JAMES, ASCENSION		Pending	$6,982,089	Feasibility Study to assess hurricane and storm reduction measures in a study area bounded by the Bonnet Carre Spillway to the east, The Mississippi River to the south, Lakes Pontchartrain and Maurepas to the north, and the St. James Parish/Ascension Parish line to the west.	1
HSDRRS	Lake Pontchartrain and Vicinity	PO-63	HP	-	USACE	79, 78, 81, 56, 92, 82, 80	10, 6, 19, 9	ST CHARLES, JEFFERSON		2010	$852,293,215	Lake Pontchartrain and Vicinity (LPV) is the hurricane protection program that involves approximately 30 hurricane protection projects in East Jefferson and St. Charles Parishes.	1
HSDRRS	Lake Pontchartrain & Vicinity, Seabrook Lock LPV-IHNC-01	PO-64	HP	-	USACE	97, 79, 94, 56, 92, 104, 81, 103, 101, 100	3, 2, 1, 10, 6, 19, 4, 9	ORLEANS		2012	$157,156,414	This project will construct a gate closure structure across the Industrial Canal approximately 500 ft South of the Ted Hickey Bridge at Lake Pontchartrain to work in conjunction with the IHNC Borgne Surge Barrier.	1
HSDRRS	HSDRRS Mitigation- LPV	PO-121	MC	-	USACE	103, 76, 77	11, 1	ST TAMMANY, ORLEANS	1089	Pending	$85,000,000	State's involvement with USACE's mitigation projects for Lake Pontchartrain and Vicinity (LPV).	1
HSDRRS	LPV Task Force Guardian Mitigation- Bayou Sauvage	PO-145	MM, VP	-	USACE	103	1	ORLEANS	58	Pending	$782,335	This project is being led by USACE and is 100% federally funded with approximately $2 Million allocated. This project is mitigating approximately 147 acres due to emergency levee work that utilized 2 borrow pits of about 57 acres. It provides for the elimination of non-native trees with spraying and mechanical clearing, and then the replanting of up to 89,000 trees and shrubs of native species, including butternuts, pecans, cypresses and oaks.	1
HSDRRS	Previously Authorized Mitigation LPV- Manchac	PO-146	MC, SP	-	USACE	73	6	ST JOHN THE BAPTIST	1329	Pending	$21,000,000	This project is being led by USACE and is 100% federally funded with approximately $21.3 Million allocated. It provides for containment dikes with rock and fill areas with dredge material (to match the CPRA Turtle Cove project success). The project is intended to create marsh and reduce erosion.	1
LOUISIANA COASTAL AREA	LCA Small Bayou Lafourche Reintroduction	BA-70	FD	-		51, 54, 55, 58, 60	18, 19, 20, 21	ASSUMPTION, LAFOURCHE		Pending	$133,500,000	The project will use a small diversion (less than 5000 cfs) to reintroduce flow from the Mississippi River into Bayou Lafourche. Project goals include providing freshwater, sediment and nutrients needed to reduce salinity, stimulating plant productivity, and reducing wetland loss between Bayous Lafourche and Terrebonne. Funds from the budget surplus of 2008 will be used for the state's cost-share requirement. *Construction cost taken from WRDA 2007 legislation.	3A
LOUISIANA COASTAL AREA	LCA Medium Diversion with Dedicated Dredging at Myrtle Grove	BA-71	FD	-	USACE	105	8, 1	PLAQUEMINES		Pending	$278,300,000	Authorized by WRDA 2007 as a sediment diversion between 2,500 and 15,000 cfs. Ongoing modeling effort to examine potential for modification of the WRDA authority for a larger sediment diversion to promote infilling of shallow open water areas through deposition and marsh expansion. *Fully funded Phase 2 cost taken from WRDA 2007 legislation.	2
LOUISIANA COASTAL AREA	LCA Modification of Davis Pond Diversion	BA-72	FD	-	USACE	56, 83, 105, 54, 87, 84	3, 20, 1, 7, 19, 8	ST CHARLES, JEFFERSON, PLAQUEMINES, LAFOURCHE		Pending	$68,277,885	This modification project is authorized to study and design the modification of the structure and or outfall of the diversion to increase wetland restoration outputs within the Barataria Basin.	2
LOUISIANA COASTAL AREA	LCA Modification of Caernarvon Diversion	BS-19	FD	-	USACE	105, 103	1	ST BERNARD, PLAQUEMINES		Pending	$21,000,000	This modification project is authorized to study and design the modification of the diversion structure and/or outfall of the diversion to increase wetland restoration outputs south of Caernarvon, west of the Mississippi River.	1
LOUISIANA COASTAL AREA	LCA Medium Diversion at White's Ditch	BS-20	FD	-	USACE	105	1	PLAQUEMINES		Pending	$126,686,400	A medium diversion from the Mississippi River into the central River aux Chenes area using a controlled structure to provide additional freshwater, nutrients, and fine sediment to the area between the Mississippi River and River aux Chenes ridges.	1
LOUISIANA COASTAL AREA	LCA Barataria Basin Barrier Shoreline - 2007	LA-10	MC, BI	-	USACE	105, 54	20, 1, 8	JEFFERSON, PLAQUEMINES, LAFOURCHE	2749	Pending	$363,900,000	The purpose of this project is to provide beach/dune restoration and marsh creation on Caminada Headlands and Shell Island.	2
LOUISIANA COASTAL AREA	LCA Beneficial Use Feasibility Study	LA-19	DM	-	USACE	N/A	N/A	COASTWIDE		Pending	$100,000,000	This Feasibility Study will examine increased beneficial use of dredged material from Federally authorized navigation channels.	COASTWIDE
LOUISIANA COASTAL AREA	LCA Mississippi River Delta Management Study	MR-16	OTHER	-	USACE	105	1	PLAQUEMINES		Pending	$26,000,000	OCPR will coordinate the development of a strategic framework for feasibility evaluation of improved management of fresh water, nutrients, and sediment resources of the Lower Mississippi River, from the Old River Control Structure to Head of Passes, to better sustain its Deltaic Plain.	1, 2

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
LOUISIANA COASTAL AREA	LCA Small Diversion at Convent / Blind River	PO-68	FD	-	USACE	58, 57	18	ST JAMES, ASCENSION	21369	Pending	$124,230,000	A small diversion of up to 5,000 cfs from the Mississippi River into the Blind River through a new control structure to introduce freshwater, sediments, and nutrients into the southeast portion of the Maurepas swamp.	1
LOUISIANA COASTAL AREA	LCA Amite River Diversion Canal Modification	PO-69	VP, HR	-	USACE	88	18	LIVINGSTON, ASCENSION	3111	Pending	$10,760,000	The goal of this project is to reestablish hydrologic connectivity between Maurepas Swamps and natural waterbodies.	1
LOUISIANA COASTAL AREA	LCA Maintain Land Bridge Between Caillou Lake and Gulf of Mexico	TE-67	MC	-	USACE	51	20	TERREBONNE	2,800	Pending	$62,600,000	The goals of this project are to prevent connection between the gulf and Caillou Lake by constructing shoreline protection on the gulf and Grand Bayou du Large, marsh creation, and closure of newly opened channels and to minimize saltwater intrusion, prevent gulf shore erosion and increase freshwater influence on marshes in project area.	3A
LOUISIANA COASTAL AREA	LCA Point Au Fer	TE-68	SP	-	USACE	51	20	TERREBONNE		Pending	$48,300,000	The goal of the project is to stabilize gulf shoreline of Point Au Fer Island to prevent direct connection between gulf and interior water bodies thereby preventing conversion of existing wetlands to marine habitat.	3A
LOUISIANA COASTAL AREA	LCA Terrebonne Basin Barrier Shoreline Restoration	TE-70	BI	-	USACE	51, 53, 54	20	TERREBONNE	1272	Pending	$133,300,000	This project provides for the restoration of the Timbalier and Isles Dernieres barrier island chains. This would simulate historical conditions by reducing the current number of breaches, enlarging (width and dune crest) of the Isles Dernieres (Raccoon Island, East Island, Trinity Island, Wine Island, and Whiskey Island),Timbalier Island, and East Timbalier Island.	3A
LOUISIANA COASTAL AREA	LCA Convey Atchafalaya River Water to Northern Terrebonne Marshes	TE-71	HR	-	USACE	52, 51, 50, 53, 54	20, 21	TERREBONNE		Pending	$349,995,500	The project would increase existing Atchafalaya River influence to central (Lake Boudreaux) and eastern (Grand Bayou) Terrebonne marshes via the Gulf Intracoastal Waterway (GIWW).	3A
NFWF	Caminada Headland Beach and Dune Restoration Increment 2	BA-143	BI	-	N/A	54,84	20,8	JEFFERSON, LAFOURCHE	532	Pending	$118,860,000	This project will restore and protect beach and dune habitat across the Caminada Headland through the direct placement of approximately 5.4 million cubic yards of sandy material from Ship Shoal (an offshore borrow source). The project footprint begins near Bayou Mareau and extends approximately 9 miles east towards Caminada Pass. A total of 489 acres of beach and dune habitat will be restored.	2
NFWF	Mid-Barataria Diversion	BA-153	SD	-	N/A	84,105	8	PLAQUEMINES	68,000	Pending	$40,800,000	The MBSD is a large and complex civil works and restoration project. MBSD, when in operation, would transfer sediment-laden water from the Mississippi River through a self-contained channel roughly 1.5 miles long, before outfalling past the back levee into mid-Barataria Basin. The project will restore the natural deltaic and sedimentation processes along the Mississippi River near River Mile 60.7 just north of Ironton. The MBSD would be expected to build and nourish ten to thirty thousand acres of critical coastal wetlands over a 50 year period, being a top contributor to the 2012 Master Plan's goal of achieving no net loss of land in the future.	2
NFWF	Lower Barataria Diversion	BA-163	SD	-	N/A	105	8	PLAQUEMINES	In Development	Pending	In Development	The purpose of the project is to construct a sediment diversion to transport sediment from the Mississippi River into the Lower Barataria Basin to reestablish deltaic processes in order to build, sustain, and maintain wetlands. The project intends to build a sediment diversion in the lower Barataria Bay in the vicinity of Empire around 50,000 cfs capacity.	2
NFWF	Lower Breton Diversion	BS-23	SD	-	N/A	103	1	PLAQUEMINES	In Development	Pending	In Development	The purpose of the project is to construct a sediment diversion to transport sediment from the Mississippi River into the Lower Breton Sound Basin to reestablish deltaic processes in order to build, sustain, and maintain wetlands. The project intends to build a sediment diversion in the lower Breton Sound in the vicinity of Black Bay around 50,000 cfs capacity.	1
NFWF	Increase Atchafalaya Flow to Easter Terrebonne	TE-110	SD	-	N/A	51	20	TERREBONNE	In Development	Pending	In Development	The purpose of the project is to utilize freshwater and sediment from the Atchafalaya River in order to build, sustain, and maintain wetlands within the Terrebonne Basin. The project intends to dredge the GIWW east of the Atchafalaya and install a bypass structure at Bayou Boeuf Lock to increase freshwater and sediment flows from Atchafalaya River to Terrebonne marshes.	3A, 3B
NFWF	East Timbalier Island Restoration	TE-118	BI	-	N/A			LAFOURCHE		Pending	$74,000,000.00	This project will engineer and design a restoration of dune, supratidal, and intertidal habitat, such that the two presently remaining, severely degraded island segments will be reconnected and the historic island footpring re-established, which will improve bird and fish habitat, help protect oil and gas infrastructure, and provide hurricane surge protection for western Lafourche Parish.	3A
NRDA	Cheniere Ronquille Barrier Island Restoration	BA-76	BI, MC	19	NMFS	105	1	PLAQUEMINES	408	Pending	$43,828,286	The objective of this project is to prevent breaching of the barrier shoreline by restoring the dune and marsh platform. Project was designed under CWPPRA but will seek NRDA funds for construction.	2
NRDA	Shell Island West- NRDA	BA-111	BI	-	N/A	105	8	PLAQUEMINES	347	Pending	$113,000,000	This project aims to restore the integrity of the Shell Island West barrier island, reduce wave energies within the bay area, and reestablish productive habitat to Bastian Bay and the surrounding area. It will create 328 acres of marsh and 372 acres of dune and beach.	2
NRDA	Lake Hermitage Marsh Creation Increment 2	BA-141	MC	-	N/A	105	1	PLAQUEMINES	101	Pending	$139,000,000	This project will create 101 acres of marsh building off of the BA-42 Lake Hermitage CWPPRA project utilizing NRDA early restoration funds.	2
NRDA	NRDA Caillou Lake Headlands	TE-100	BI	-	N/A	53	20	TERREBONNE	1272	Pending	$110,000,000	This project aims to restore the Whiskey Island Barrier Island in order to retain its geomorphologic form and ecologic function. It will create 170 acres of marsh habitat and 917 acres of dune and beach habitat.	3a
OIL SPILL	Calcasieu Ship Channel Salinity Control Measures	CS-65	HR	-	N/A	47	25	CAMERON	In Development	Pending	In Development	The purpose of the project is to manage salinities being introduced into adjacent water bodies through the Calcasieu Ship Channel to reduce the rate of wetland loss in the surrounding wetlands. The project intends to construct features to prevent saltwater from entering wetlands adjacent to Calcasieu Lake through the Calcasieu Ship Channel. Measures would control salinity spikes and would be constructed in a manner that would allow for the continued functioning and ideally improvement and increased viability of the Calcasieu Ship Channel and the Port of Lake Charles.	4
OIL SPILL	Central Wetlands Diversion	PO-141	FD	-	N/A	103	1, 3	ST BERNARD	In Development	Pending	$97,326,755	Initially proposed as Master Plan project 001.DI.18, the project intends to transport river water through a structure at the Mississippi River into the existing Violet Canal to be distributed into the marsh north of the canal.	1
OIL SPILL	Mississippi River Sediment Delivery System East	PO-144	MC	-	N/A	99, 103	1, 3	ORLEANS, ST BERNARD	In Development	Pending	In Development	Initially proposed as Master Plan project 001.MC.13, the project intends to use dredged sediment to create marsh in the Orleans and/or St. Bernard Parish(es) in southeast Louisiana.	1
OIL SPILL	Houma Navigation Canal Lock Complex	TE-113	HR	-	N/A	53	20	TERREBONNE	In Development	Pending	In Development	The Houma Navigation Canal Lock Complex (TE-113) is a part of the Morganza to the Gulf of Mexico Hurricane Protection Project. The structure will provide storm surge protection, increase freshwater distribution, and provide navigation along the Houma Navigation Canal. The initial step is to meet with stakeholders to discuss alternative design considerations for optimization of the HNC Lock Complex and determine a preferred design. The next step will be to conduct Engineering and Design of the preferred design.	3A
SECTION 204/1135	MRGO, Breton Island Restoration, Mile -2.3 to 4.0		DM	-	USACE	105	1	PLAQUEMINES	26	1999	$1,050,000	This Section 204 project utilized material from maintenance dredging activities along the Mississippi River Gulf Outlet (MRGO) to repair Breton Island.	1
SECTION 204/1135	MRGO, Breton Island Berm, Mile -2 to -3		DM	-	USACE	105	1	PLAQUEMINES		1999	$150,000	This Section 204 project utilized material from maintenance dredging activities along the Mississippi River Gulf Outlet (MRGO) to nourish the littoral system that feeds Breton Island.	1
SECTION 204/1135	Mississippi River Gulf Outlet Berm, Mile 14 to 11		DM	-	USACE	103	1	ST BERNARD		1999	$350,000	This Section 204 project provided for the unconfined placement of 3,468,901 cubic yards of material into shallow water adjacent to the south jetty at about mile 15.3. The material was dredged from miles 14.0 to 11.0 of the Mississippi River Gulf Outlet (MRGO) navigation channel and placed to an elevation conducive to marsh vegetation establishment.	1
SECTION 204/1135	Mississippi River Gulf Outlet, Mile 14 to 12 (2002)		DM	-	USACE	103	1	ST BERNARD		2002	$290,000	The project involved pumping approximately 1.6 million cubic yards to create some 50 acres of marsh behind the MRGO jetty. This project was fast tracked due to the impact of Hurricane Lili and Tropical Storm Isidore in 2002.	1
SECTION 204/1135	Mississippi River Gulf Outlet, Mile 14 to 12 (2003)		DM	-	USACE	103	1	ST BERNARD	113	2003	$580,000	This project involved pumping 4.3 million cubic yards of sediments to create 113 acres of marsh. The material was dredged from miles 14.0 to 12.0 of the Mississippi River Gulf Outlet (MRGO) navigation channel and placed at an elevation conducive to marsh vegetation establishment.	1
SECTION 204/1135	Barataria Bay Waterway, Mile 31 to 24.5		DM	-	USACE	105	8	JEFFERSON	125	1999	$140,000	This Section 204 project utilized dredged material taken from a zone between miles 31 and 24.5 of the Barataria Bay Waterway (BBWW) to create marsh habitat.	2
SECTION 204/1135	Barataria Waterway Grand Terre Island Ph 2		DM	-	USACE	105	8	JEFFERSON		2002	$100,000	This Section 204 project provided for the beneficial placement of 500,000 cubic yards of material dredged from the Barataria Bay Waterway (BBWW) to create wetlands on the bay side of Grand Terre Island.	2
SECTION 204/1135	Calcasieu River and Pass (Sabine NWR) Phase I, II, III		DM	-	USACE	47	25	CAMERON	480	1999	$1,560,804	This Section 204 project provides for the disposal of dredged material removed from the area between mile 7.5 and 11.5 of the Calcasieu Ship Channel. A total of 4 million cubic yards of material was deposited in three phases within the Sabine National Wildlife refuge at an elevation conducive to marsh creation.	4

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SECTION 204/1135	Wine Island Restoration	DSR-81558	DM	-	USACE	20	53	TERREBONNE	37	1991, 2003	$1,007,000	This Section 204/1135 project was a cooperative effort with the USACE and included the use of beneficial dredging from a scheduled Houma Navigational Canal maintenance dredging project to restore Wine Island.	3A
SECTION 204/1135	Barataria Bay Waterway, Grand Terre Island (Phase I)		DM	-	USACE	105	8	JEFFERSON	115	1996	$1,370,000	This Section 204 project provides for the beneficial placement of 500,000 cubic yards of dredged material from the Barataria Bay Waterway (BBWW) to create wetlands on Grand Terre Island.	2
SECTION 204/1135	Houma Navigation Canal, Wine Island Barrier Island Restoration		DM	-	USACE	53	20	TERREBONNE	50	2002	$1,000,000	This Section 204/1135 project investigated the feasibility of beneficially using the dredged material from the bar channel area in lieu of the Ocean Dredged Material Disposal Site. The project area is approximately 35 miles south of Houma, Louisiana at the mouth of the navigation channel in Terrebonne Bay. The construction schedule of this project was expedited due to the impact of Hurricane Lili and Tropical Storm Isadore.	3A
SECTION 204/1135	Brown Lake		MC, DM	-	USACE	47	25	CAMERON	315	1999	$1,132,435	The project will restore, to the extent possible, the natural hydrology of the area. A reduction in marsh loss and improved water conditions are expected to occur following project implementation. Long-term water management objectives will be directed towards maintaining a brackish marsh system.	4
STATE	NRCS Vegetative Planting		VP	-		N/A	N/A	COASTWIDE	609	N/A	$399,858	This is a coastal vegetative planting program that is implemented annually and involves the installation of vegetative plantings in selected areas where vegetation is needed.	COASTWIDE
STATE	NRCS Biomass Production Program		VP	-		N/A	N/A	COASTWIDE		N/A	$1,552,100	This multi-year cooperative agreement will study productivity of endemic wetland plants, with the goal of identifying specific environmental conditions for maximum growth of a number of varieties (i.e., cultivars) within four plant species. The information obtained will facilitate matching plant species and varieties to expected environmental conditions at restoration sites, thereby increasing the likelihood of successful revegetation efforts.	COASTWIDE
STATE	Naomi Siphon Diversion	BA-03	FD	-		105	1, 8	PLAQUEMINES, JEFFERSON	8200	1992	$9,602,381	This project involves the construction of eight parallel siphons to divert water from the Mississippi River into the adjacent wetlands near Naomi, Louisiana. The maximum discharge of the siphons is 2,100 cfs.	2
STATE	West Pointe a la Hache Siphon Diversion	BA-04	FD	-		105	1	PLAQUEMINES	9200	1992	$9,845,693	This project involves the construction of eight parallel siphons to divert water from the Mississippi River into the adjacent wetlands on the west side of the river near Pointe a la Hache, Louisiana. The maximum discharge of the siphons is 2,100 cfs.	2
STATE	Queen Bess	BA-05B	SP, DM	-		105	8	JEFFERSON	145	1993	$1,475,176	The purpose of this project is 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. The area has become vegetated and the number of pelican nests on the island increased after project construction.	2
STATE	Baie de Chactas	BA-05C	SP	-		105	19	ST CHARLES		1990	$175,000	Approximately 300,000 pounds of crushed oyster shell were placed on 7,400 feet of shoreline to restore the physical integrity of the marsh shoreline separating Lake Salvador and Baie de Chactas and Baie du Cabanage.	2
STATE	Lake Salvador Shoreline Protection Extension	BA-15-X1	SP	-		105	19	ST CHARLES	2035	2005	$4,840,344	The purpose of this project is to build a rock dike that will protect the marsh shoreline along the northeastern portion of Lake Salvador. The shoreline protection project was built on the land to avoid dredging in an area with cultural resources. This project was designed as an extension of the BA-15 Phase II CWPPRA project.	2
STATE	Bayou Segnette	BA-16	SP	-		84	8	JEFFERSON	88	1994, 1998	$1,373,151	This project involved the construction of a 6,800-foot limestone rock berm to reinforce the bank between Lake Salvador and Bayou Segnette and the installation of a timber piling fence across an abandoned access canal that connects the two water bodies. The fence is designed to reduce wave energies and erosive forces from the lake while still allowing exhange of sediment and aquatic organisms. Additional CWPPRA funds were appropriated for the design of this state-funded project. Maintenance of this project was necessary in the 1998-1999 fiscal year at a cost of $300,000.	2
STATE	New Orleans to Venice	BA-67	HP	-	USACE	105	1	PLAQUEMINES		Pending	$2,400,000,000	The NOV project consists of 24 areas of work covered by projects NOV 1-2, NOV 5-16, NOV-NF-W- 4 to 6, NF-02, and Taskforce Guardian (TFG) Continuing Projects P13- 15, P17, and P24 that includes the section of the Plaquemines Parish Hurricane Protection System.	1,2
STATE	Bayou LaFourche Salt Water Control Structure	BA-91	OTHER	-		58	20	LAFOURCHE		Pending	$4,437,715	This project will allow salinity levels in Bayou Lafourche to be more effectively managed through operation of the saltwater control structure.	2
STATE	Grand Isle-Fifi Island Breakwaters	BA-168	SP	-	N/A			JEFFERSON		Pending	$6,000,000	The project will construct breakwaters along the southwestern portion of Fifi Island to reduce erosion on Fifi Island and the bay side of Grand Isle in order to protect commercial and residential infrastructure, wetlands, and fisheries. The project includes renourishment of 1,450 feet of existing breakwaters to an elevation of 8 feet and construction of 1,450 feet of new breakwaters to an elevation of 8 feet.	2
STATE	Kraemer Bayou Boeuf Levee Lift	BA-169	HP	-	N/A			LAFOURCHE	6	Pending	$1,000,000	This project will improve and raise approximately 33,000 feet of ring levees surrounding the Kraemer Community, a forced drainage area. The levees were not sufficient during Hurrican Isaac and overtopped.	2
STATE	Breach Management Plan	BA-170	BI	-	N/A			JEFFERSON, LAFOURCHE, PLAQUEMINES, TERREBONNE		N/A	$7,106,511	This project will provide CPRA's Engineering Division and Project Management Division with a system-wide program for handling breaching that occurs within the barrier island and headland system of the Louisiana coastline. The project will extend eastward from Raccoon Island to Scofield Island within the Terrebonne and Barataria Basins. The project will include development of identification, classification, and prioritization methodologies with recommendations for breach prevention and response measures. The project goals are to reverse landloss, increase sustainability of restoration projects, reduce operations and maintenance costs, and improve ecosystems.	2, 3A
STATE	Brannon Ditch	BD	SP	-		36	30	CALCASIEU	480	1991	$12,440	This project included the construction of wooden breakwater fences along 2,200 feet of the GIWW across from Brannon Ditch in Calcasieu Parish. This area has experienced shoreline erosion in excess of 25 feet/year. The breakwaters will reduce wave action from boats and the current from Brannon Ditch during periods of high discharge. Smooth cordgrass (Spartina alterniflora) was also planted behind the breakwaters in order to enhance accretion and increase the stability of this site.	4
STATE	Brown Marsh	BRM-01	MC	-		54	20	LAFOURCHE		2002	$473,365	The project features consisted of a thin layer marsh creation/nourishment covering 44 acres in Lafourche Parish.	3A
STATE	Lake Lery Hydrologic Restoration	BS-06	FD	-		103	1	ST BERNARD	100	1997	$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.	1
STATE	Cheniere Au Tigre	CAT-01	SP	-	BOEMRE	47	26	VERMILION		2005	$1,802,271	The primary objective of the project is to protect the Cheniere au Tigre shoreline from additional erosion and protect local infrastructure. This project will use segmented rock breakwater structures to help reduce the rate of shoreline erosion and promote sediment deposition along the beach north of the breakwater structures. The proposed series of segmented breakwaters will be placed just east of the CWPPRA funded TV-16 project with up to nine additional structures. The structures will cover approximately 2,800 linear feet with an approximate distance of 240 feet from the existing shoreline.	3B
STATE	Holly Beach	CS-01	SP	-		47	25	CAMERON		1991, 1992, 1993, 1994	$8,437,000	The objective of this project is to protect the marsh north of the Gulf of Mexico shoreline by expanding shoreline protection in phases from Ocean View, Louisiana to the east near Calcasieu Pass. A total of 34 breakwaters were constructed in 1991, 21 breakwaters were constructed in 1992, 21 breakwaters were constructed in 1993, and nine breakwaters were constructed in 1994 between Calcasieu Pass and Holly Beach, Louisiana. Eighteen of the existing breakwaters were raised and/or extended in 2003 utilizing marine mattress foundations and armor stone.	4
STATE	Rycade Canal Marsh Management	CS-02	MM	-		47	25	CAMERON	6575	1994	$2,005,857	The project was designed to stabilize salinities and water levels by reducing water flows through Rycade canal and Black Lake.	4
STATE	Cameron-Creole Structure Automation	CS-04A-1	HR	-		47	25	CAMERON	110000	1999	$700,000	This project consists of automating three existing water control structures along the east shore of Calcasieu Lake. These structures are remotely located and are difficult to manipulate. Automation of these structures will improve management capabilities in the Sabine National Wildlife Refuge.	4
STATE	Blind Lake	CS-BL	SP	-		47	25	CAMERON	480	1989	$173,433	The purpose of this project was to prevent the Gulf Intracoastal Waterway from breaching into Blind Lake. The project consisted of placing 2,339 linear feet of limestone breakwater along the south side of the GIWW adjacent to Blind Lake. The second phase of this project included planting giant cutgrass (Zizaniopsis miliacea) along the inside of the breakwater to enhance the accretion process.	4

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STATE	Sabine Terraces	CS-ST	SNT	-		47	25	CAMERON	110	1990	$190,047	A total of 128 earthen terraces were constructed in a checkerboard pattern and planted with smooth cordgrass (Spartina alterniflora) in open water areas of the Sabine National Wildlife Refuge. This will increase the length of marsh-water interface, re-establish emergent marsh vegetation, reduce marsh fringe retreat by reducing wind-generated wave energy, increase overall primary productivity, and promote the deposition of suspended sediment.	4
STATE	Fisheries Habitat Restoration on West Grand Terre Island at Fort Livingston	FTL-01	SP	-		105	8	JEFFERSON		2003	$2,076,816	This project consists of a rock dike built to protect the Gulf shoreline of West Grand Terre Island and Fort Livingston. This project was expedited because erosion rates along West Grand Terre rapidly accelerated due to the impacts of tropical storms in 2002. Fort Livingston, which is listed on the National Register of Historic Places, was constructed in the 19th century by the U.S. Army Corps of Engineers as part of the nation's coastal defense system.	2
STATE	Grand Isle Bay Side Breakwaters	GIBSB	SP	-		105, 54	8	JEFFERSON	50	1995	$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.	2
STATE	Dedicated Dredging Program - Lake Salvador	LA-01a	MC, DM	-		105	19	ST CHARLES	28	1999	$342,276	Two sites were filled utilizing dredged material adjacent to Baie du Cabanage on the Salvador Wildlife Management Area. This project is part of the coastwide state Dedicated Dredging Program. The goal of this program is to use a small, mobile hydraulic dredge along inland waterways in Louisiana's coastal zone to deposit dredged material, and thereby nourish and/or rebuild threatened coastal marshes adjacent to the waterways.	2
STATE	Dedicated Dredging Program - Bayou Dupont	LA-01b	DM, MC	-		105	8	JEFFERSON	66	2000	$1,080,017	Three sites were filled utilizing dredged material adjacent to Bayou Dupont and The Pen. This project is part of the coastwide state Dedicated Dredging Program. The goal of this program is to use a small, mobile hydraulic dredge along inland waterways in Louisiana's coastal zone to deposit dredged material, and thereby nourish and/or rebuild threatened coastal marshes adjacent to the waterways.	2
STATE	Pass a Loutre Site - Dedicated Dredging Program	LA-01C	DM	-		105	1	PLAQUEMINES		2005	$450,000	The project created approximately 26 acres of sustainable freshwater marsh in the vicinity of Pass a Loutre, Louisiana. This project is part of the coastwide state Dedicated Dredging Program. The goal of this program is to use a small, mobile hydraulic dredge along inland waterways in Louisiana's coastal zone to deposit dredged material, and thereby nourish and/or rebuild threatened coastal marshes adjacent to the waterways.	1
STATE	Terrebonne School Board Site - Dedicated Dredging	LA-01D	DM	-		51	20	TERREBONNE		2006	$2,599,587	This project created approximately 40 acres of marsh just north of Lake DeCade along the western bank of Minors Canal. This project is part of the coastwide state Dedicated Dredging Program. The goal of this program is to use a small, mobile hydraulic dredge along inland waterways in Louisiana's coastal zone to deposit dredged material, and thereby nourish and/or rebuild threatened coastal marshes adjacent to the waterways.	3B
STATE	Grand Bayou Blue Site - Dedicated Dredging	LA-01E	DM, MC	-		53	20	LAFOURCHE		2007	$1,831,534	This project created approximately 38 acres of marsh near Catfish Lake using dredged material from Grand Bayou Blue. This project is part of the coastwide state Dedicated Dredging Program. The goal of this program is to use a small, mobile hydraulic dredge along inland waterways in Louisiana's coastal zone to deposit dredged material, and thereby nourish and/or rebuild threatened coastal marshes adjacent to the waterways.	3A
STATE	Dedicated Dredging - Point au Fer	LA-01F	DM	-		51	20	TERREBONNE		2007	$2,469,250	This project created approximately 67 acres of marsh on Point Au Fer Island adjacent to the CWPPRA TE-26 project using material dredged from Atchafalaya Bay. This project is part of the coastwide state Dedicated Dredging Program. The goal of this program is to use a small, mobile hydraulic dredge along inland waterways in Louisiana's coastal zone to deposit dredged material, and thereby nourish and/or rebuild threatened coastal marshes adjacent to the waterways.	3B
STATE	Pecan Island Freshwater Introduction	ME-01	FD	-		47	26	VERMILION	39000	1992	$487,152	The purpose of this project is to introduce freshwater from the north to counteract the saltwater intrusion from the south. The project consists of two water control structures and approximately 5,700 linear feet of earthen embankment needed to channel water from White Lake to the south marshes.	4
STATE	Small Sediment Diversions	MR-01B	SD	-		105	1	PLAQUEMINES	6719	1993	$1,010,500	This project involved the excavation of 13 crevasses through the levees of Mississippi River distributary channels within the Balize Delta in order to create self-sustaining emergent marsh.	1
STATE	North Grand Isle Breakwaters	NGI	SP	-		54	8	JEFFERSON	50	1995	$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 Louisiana Hwy 1. The Louisiana Department of Natural Resources (LDNR) contributed no construction funds and was involved in construction inspection only. The local Levee District supplied construction funds.	2
STATE	Violet Siphon Diversion	PO-01	FD	-		104, 103	1	ST BERNARD	84	1992	$380,584	The purpose of this project is to return into operation the existing siphon, and to enlarge the size of the diversion so that more sediment and freshwater are available to offset marsh subsidence and saltwater intrusion.	1
STATE	Bayou Chevee	PO-02c	SP	-		103	2	ORLEANS	75	1994	$62,000	This project installed 2,000 feet of brush fences at the mouth of Bayou Chevee.	1
STATE	LaBranche Shoreline Stabilization and Canal Closure	PO-03	SP	-		56	19	ST CHARLES	1750	1987	$1,324,000	The purpose of this project is to restore the integrity of the shoreline, which separates Lake Pontchartrain from the western edge of the LaBranche wetlands.	1
STATE	LaBranche Shoreline Protection	PO-03B	SP	-		56	19	ST CHARLES	50	1996	$1,290,851	A rock breakwater was constructed along the Lake Pontchartrain shoreline, east of Bayou LaBranche, to protect the hydrologic boundary between the lake and the wetlands from being breached.	1
STATE	Central Wetlands Pump Outfall	PO-08	FD	-		104, 103	1, 2	ST BERNARD	300	1992	$250,000	This project is designed to provide freshwater, nutrients, and sediment associated with storm water runoff to an area of marsh near the Violet Siphon (PO-01).	1
STATE	Turtle Cove Shore Protection	PO-10	SP	-		56	19	ST JOHN THE BAPTIST	184	1994	$366,000	A 1,640 foot rock-filled gabion breakwater was constructed to maintain and protect the Lake Pontchartrain shoreline that shelters "The Prairie" (an 800-acre expanse of shallow, open water marsh bordered by organic freshwater marsh) from high wave energies and to encourage sediment deposition behind the gabion structure. An additional $195,600 was used for maintenance in 2001.	1
STATE	River Reintroduction into Maurepas Swamp	PO-29	FD	11	EPA	56, 88, 57	18, 19	ST JOHN THE BAPTIST, ST JAMES	36121	Pending	$170,706,443	This project intends to restore a natural hydrologic regime and increase nutrient inputs in cypress-tupelo swamp tracts south of Lake Maurepas through the diversion of Mississippi River water into an area of degraded swamp. The project was originally proposed under CWPPRA but underwent subsequent development as a State-only project.	1
STATE	Hydrologic Restoration of the Amite River Diversion Canal	PO-142	HR, VP	-	N/A	81	18	ASCENSION, LIVINGSTON	1600	Pending	$4,120,000	The purpose of this project is to reestablish hydrologic connectivity between Maurepas Swamps and natural waterbodies; plant vegetation in highly degraded swamp habitat.	1
STATE	Fontainebleau State Park Mitigation	PO-4355NP4	SP	-		89	11	ST TAMMANY	6	1999	$476,104	This project repaired a section of breached shoreline by depositing approximately 9,000 cubic yards of sand for a feeder berm on the easternmost end of Fontainebleau State Park.	1
STATE	MRGO and Lake Borgne (Bayou Dupre Segment)	PO-93	SP	-	USACE	103	1	ST BERNARD		Pending	$0	This project will construct approximately 17,650 linear feet of stone foreshore dike along the southwest shoreline of Lake Borgne in the vicinity of Bayou Dupre. OCPR is acquiring portions of the two oyster leases that are impacted by this project.	1
STATE	MRGO and Lake Borgne (Bayou Bienvenue Segment)	PO-94	SP	-	USACE	103	1	ST BERNARD		Pending	$0	This project will construct approximately 14,440 linear feet of stone foreshore dike along the southwest shoreline of Lake Borgne in the vicinity of Bayou Bienvenue. OCPR is acquiring portions of the three oyster leases that are impacted by this project.	1
STATE	MRGO and Lake Borgne (Shell Beach Segment)	PO-95	SP	-	USACE	103	1	ST BERNARD		Pending	$0	This project will construct approximately 15,700 linear feet of stone foreshore dike along the southern shoreline of Lake Borgne, west of Shell Beach. OCPR is acquiring portions of the four oyster leases that are impacted by this project.	1
STATE	Raccoon Island Repair	RI	DM	-		53	20	TERREBONNE	197	1994	$1,400,000	This project was a cooperative effort that utilized dredged material and vegetation to repair storm damage to Raccoon Island. Cooperators include the Louisiana Department of Natural Resources/Coastal Restoration Division, Louisiana Department of Wildlife and Fisheries/Fur and Refuge Division, Terrebonne Parish Consolidated Government, South Terrebonne Tidewater Management and Conservation District, T. Baker Smith & Son, Inc., Coastal Engineering & Environmental Consultants, Inc., and Bean Dredging. Federal grant money was also utilized for this project by LDWF and TPCG.	3A
STATE	Spoilbank along the GIWW	SBG	VP	-		52	21	TERREBONNE	1	1993	$9,400	This project planted 8,000 feet of spoilbank along the Gulf Intracoastal Waterway with black willow (Salix nigra) and bald cypress (Taxodium distichum) in an effort to reduce further bank erosion. The effectiveness of different types of nutria exclusion devices was also tested.	3A
STATE	Sabine Shellbank Stabilization	SSB	SP	-		47	25	CAMERON	10	1990	$66,000	The purpose of this project was to provide natural shoreline protection by using tidal currents to deposit clam shell on the shoreline. The benefits of this design over the use of permanent structures are lower cost, less disturbance of the natural habitat during construction, and allowing natural distribution of sediment and organisms without impediment.	4

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
STATE	Montegut Wetland	TE-01	MM	-		53	20	TERREBONNE	4200	1993	$5,537,036	The objective of the Montegut Wetland project is to protect and enhance 4,200 acres of degraded wetland habitat in the Pointe au Chein Wildlife Management Area southeast of Montegut, Louisiana.	3A
STATE	Falgout Canal Wetland	TE-02	MM	-		51	20	TERREBONNE	1300	1993, 1995	$1,560,000	The primary objectives of this project were to protect approximately 8,000 acres of marsh and cypress-tupelo swamp, reduce saltwater intrusion, and improve wildlife habitat by moderating water flux and tidal energy in the deteriorating wetland community.	3A
STATE	Bayou LaCache Wetland	TE-03	MM	-		53	20	TERREBONNE	4374	1991, 1996, Pending	$2,047,222	The goal of the project is to minimize the effects of saltwater intrusion by increasing the retention of freshwater derived from local runoff and establish control over saltwater flow into the project area.	3A
STATE	Pointe Aux Chien Hydrologic Restoration	TE-06	MM	-		53	20	TERREBONNE	4700	2006	$2,771,819	This cooperative coastal restoration project will benefit approximately 4,700 acres of brackish-intermediate marsh within the Pointe Aux Chenes WMA managed by the Louisiana Department of Wildlife and Fisheries. Major funding for the project was provided by Ducks Unlimited and the North American Wetlands Conservation Act.	3A
STATE	Lower Petit Caillou	TE-07B	HR	-		53	20	TERREBONNE	3465	1995, 2007	$1,536,084	The objective of this project is to decrease saltwater intrusion into the project area by re-routing freshwater discharge from the Lashbrook pumping station through the project area prior to entry into Lake Boudreaux.	3A
STATE	Point Farm Refuge Planting	TE-14	VP	-		53	20	TERREBONNE		1995	$226,931	This project was developed to create bottomland hardwood forests in former farmlands within the Point Farm Refuge Area (PFRA). Approximately 108,900 seedlings of bitter pecan (Carya aquatica), water oak (Quercus nigra), and cow oak (Quercus michauxii) (with nutria exclusion devices) were planted on 300 acres of former farmland within the PFRA.	3A
STATE	Lost Lake Vegetation Project	TE-82	VP	-				TERREBONNE		2011	$161,000	This project consists of vegetative plantings on the shore and vicinity of Lost Lake.	3A, 3B
STATE	HNC Deepening Section 203 Study	TE-108	OTHER	-	USACE			TERREBONNE	N/A	Pending	TBD	Feasibility Study and EIS preparation for investigating deepening of the HNC to accommodate the current fleet of large vessels utilizing the navigation channel, as well as the increased need for support of the offshore oil and gas platform fabrication operations along the HNC. This project is being managed by DOTD with interim funding being provided by CPRA.	3A
STATE	St. Mary Backwater Flooding	TE-116	HP	-	N/A			ST MARY, TERREBONNE			$5,000,000	This project provides for flood protection improvement to the current Morgan City flood protection system by raising some of the existing levees to elevations as identified in the March 27, 2013 report by T. Baker Smith.	3B
STATE	Yellow Bayou	TV-02b	SP	-		50	21	ST MARY	126	1992	$194,500	The objectives of the project were to maintain the integrity of approximately 2,000 acres of interior marsh between Jackson Bayou and the British-American Canal and to stabilize 7,465 feet of the East Cote Blanche Bay shoreline. This was achieved by constructing an oyster shell berm adjacent to the water's edge to reduce shoreline erosion.	3B
STATE	Marsh Island Control Structures	TV-06	MM	-		49	22	IBERIA	643	1993	$453,500	The objectives of this project were to reduce the rate of land loss, revegetate shallow open-water areas, and increase waterfowl food within the water management units. Flap-gated/stoplog culverts and earthen canal plugs were installed in October of 1993 at the northeast and southeast units to control water exchange between the units and the surrounding water bodies. Within the management units, canal spoil banks were breached and ditches were constructed to facilitate water movement between interior marsh ponds.	3B
STATE	Freshwater Bayou Bank Protection	TV-11	SP	-		49, 47	26	VERMILION	241	1994	$2,177,025	This project conserves vegetated wetlands by maintaining the physical integrity of marshes that separate Freshwater Bayou and interior water bodies. The dominant project feature consists of the construction of 24,000 linear feet of rock dike, extending north to the confluence of Belle Isle Bayou and Freshwater Bayou. The original project was constructed in 1994; however, repairs were made to the structure in 1996 and 2001.	3B
STATE	Oaks/Avery Structures	TV-13B	SP	-		49	22, 26	VERMILION, IBERIA	160	2000	$3,107,735	This project enhanced the adjacent CWPPRA-funded TV-13a project by installing low-sill structures at the outfall of Oaks and Avery Canals to redirect more water flow through the portion of Bayou Petite Anse south of the GIWW.	3B
STATE	Quintana Canal/Cypremort Point	TV-4355NP1	SP	-		50	21	ST MARY	26	1998	$1,316,818	The project features approximately 3,650 linear feet of rock breakwaters along the Vermilion Bay shoreline and approximately 3,375 linear feet of foreshore rock dike along the Vermilion Bay/Quintana Canal intersect and the south bank of the Quintana Canal.	3B
SURPLUS	Alexandria to the Gulf	AT-12	OTHER	-	USACE	26	29	RAPIDES		Pending	$970,000	Alexandria to the Gulf or ATOG is currently in Feasibility Study phase. The study will evaluate options and alternates for providing urban drainage and flood reduction to the City of Alexandria and irrigation and flood reduction benefits to agricultural areas south and southeast of the city.	3B
SURPLUS	Atchafalaya Basin Natural Resources Inventory and Assessment	AT-13	OTHER	-		49, 31, 48, 43, 46, 44, 45, 60	21, 22, 17	ST MARY, IBERIA, ST MARTIN		Pending	$1,450,000	This project assesses and inventories the natural resources in the Atchafalaya Swamp.	3B
SURPLUS	Grand Isle East End Breakwater/ Jetty Design	BA-092	SP	-		54	8	JEFFERSON		Pending	$1,000,000	This project includes construction of breakwaters/jetties work for Grand Isle State Park.	2
SURPLUS	Bayou Lafourche Freshwater Introduction	BA-25	FD	-		55, 51, 52, 105, 53, 54	20, 19, 8	LAFOURCHE		2011	$20,000,000	The Mississippi River diversion into Bayou Lafourche will restore coastal marshes and provide drinking water to over 300,000 residents. The current project will dredge the fist 6.2 miles of the bayou.	2
SURPLUS	Plaquemines Parish - Southeast Louisiana Strategic Restoration	BA-46 SF	MC	-		105	8	PLAQUEMINES		Pending	$4,500,000	Plaqumines parish dredging design project with OCPR Funding.	2
SURPLUS	West Bank and Vicinity	BA-66	HP	-	USACE	56, 83, 105, 102, 86, 87, 84, 85	3, 7, 19, 8	ST CHARLES, ORLEANS, JEFFERSON, PLAQUEMINES		Pending	$3,150,000,000	The project is currently desgined to provide 100 Year protection levels to the project area through the construction of levees to the 2011 protection levels and T-Walls and other structures to the 2057 protection levels.	2
SURPLUS	Jean Lafitte Tidal Protection	BA-75-1	HP	-		105	8	JEFFERSON	425	Pending	$7,000,000	This project will provide flood protection improvements by raising 15,840 linear feet of existing earthen levee. The project will also include approximately 7600 liner feet of concrete capped, steel sheet pile floodwall and flood gates to 8.0 NAVD.	2
SURPLUS	Rosethorne Tidal Protection	BA-75-2	HP	-		105	8	JEFFERSON	610	Pending	$1,500,000	This project will provide flood protection improvements consisting of new earthen levees, approximately 8,010 linear feet of reinforced concrete floodwall and flood gates to 8.0 NAVD.	2
SURPLUS	Lafitte Tidal Protection	BA-75-3	HP	-		105	8	JEFFERSON	375	Pending	$1,500,000	This project will provide flood protection improvements consisting of new earthen levees, sheet pile flood walls, concrete flood walls and flood gates to 8.0 NAVD.	2
SURPLUS	Lafitte Hurricane Protection	BA-75-4	HP	-		105	8	JEFFERSON		Pending	$7,730,000	This will provide continued funding of current hurricane flood control projects in the Lafitte area.	2
SURPLUS	Donaldsonville to the Gulf of Mexico Hurricane Protection	BA-115	HP	-	USACE	58, 56, 55, 83, 105, 54, 102, 86, 60, 87, 84, 85	21, 20, 1, 7, 19, 5, 18, 8	ASSUMPTION, JEFFERSON, LAFOURCHE, ST JOHN THE BAPTIST, ST CHARLES, ST JAMES		Pending	$10,269,987	The study activities will be conducted to determine the feasibility of providing flood protection to the populated areas between Bayou Lafourche and the Mississippi River, from Donaldsonville to the Gulf of Mexico.	2
SURPLUS	Cameron Parish Shoreline Restoration	CS-33	OTHER	-		47	25	CAMERON	523	Pending	$45,800,000	The project will re-establish the dunes and beachead for 8.7 miles extending from the western Calcasieu River Jetty to the eastern-most breakwater at the Holly Beach – Constance Beach breakwater field.	4
SURPLUS	Black Lake Supplemental Beneficial Use Disposal Area	CS-34	DM	-	USACE	47	25	CAMERON	440	2010	$21,034,329	The project beneficially used dredged sediment from maintenance dredging of the Calcasieu River Ship Channel from mile 14 thru mile 17 for delivery by sediment pipeline to the Black Lake/Marcantel Beneficial Use	4
SURPLUS	Southwest Coastal Louisiana Feasibility Study	LA-20	DM, TE, SP, MC	-	USACE	47, 35, 36, 33, 34	30, 25, 26, 27	CALCASIEU, VERMILION, CAMERON		Pending	$8,800,000	The project integrates ecosystem restoration and hurricane protection alternatives to address the coastal issues of Southwest Louisiana. It includes shoreline stabilization, marsh creation, salinity control, hurricane protection, and chenier restoration measures. Project was authorized December 7, 2005.	4
SURPLUS	MRGO Closure Structure	PO-38SF	OTHER	-	USACE	103	1	ST BERNARD		2009	$14,116,500	This is a 100% Federal Project. Design review of the closure structure as the State will be responsible for O&M. The state acquired Real Estate interests for structure.	1
SURPLUS	St. Bernard Parish 40 Arpent Levee Repairs	PO-61	HP	-		104, 103	1	ST BERNARD		2011	$5,000,000	This project is in the Lake Borgne Levee District and calls for raising low reaches of the Forty Arpent Levee.	1
SURPLUS	Biloxi Marsh	PO-72	SP	-		103	1	ST BERNARD	300	Pending	$22,000,000	This Project will construct 5 - 7 miles of shoreline protection along the southeastern shoreline of Lake Borgne.	1

ONGOING PROTECTION AND RESTORATION PROJECT SUMMARIES

CPRA Program	Name	State Project Number	Project Type	PPL	Federal Sponsor	House District	Senate District	Parish	Acres Benefited	Construction Completion	Total Budget	Project Description	Planning Unit
SURPLUS	North Shore Hurricane/Flood Protection and Restoration	PO-74	OTHER	-		73, 76, 77, 89, 90, 103	1, 6, 11, 12	ST TAMMANY, TANGIPAHOA		Pending	$960,000	This project will develop a hurricane protection plan for the North Shore.	1
SURPLUS	Emergency Reserve 2007 - Chabert Hospital Levee	TE-084	OTHER	-		51	21	TERREBONNE		Pending	$500,000	These funds were used to partially fund a levee around the Chabert Hospital in Terrebonne Parish.	3A
SURPLUS	Morganza to the Gulf	TE-64	HP	-	USACE	51, 52, 53, 54	21, 20	LAFOURCHE, TERREBONNE		Pending	$97,763,455	The project is currently being designed to provide protection to Terrebonne and portions of Lafourches parishes to provide protection against the project storm event. Project will consist of the construction of 66 miles of levees and t-walls, navigation structures, water control structures, and floodgates.	3A
SURPLUS	Larose to Golden Meadow - Flood Protection	TE-65	HP	-		54	20	LAFOURCHE		Pending	$19,820,000	This project includes levee modifications and improvements. The project was allocated $15 million in '08 Surplus and $4.82 million in '09 Surplus.	2, 3A
SURPLUS	Acadiana to the Gulf of Mexico Access Channel (AGMAC)	TV-11B.1	OTHER	-	USACE	104, 103	22, 26	VERMILION, IBERIA		Pending	$1,000,000	Surplus funds will be used for mitigation of additional work required by 2007 WRDA legislation.	4
SURPLUS	South Central Coastal Plan	TV-54	CPX	-	USACE	49, 48, 50	21, 22	ST MARY, IBERIA, ST MARTIN		Pending	$970,000	The South Central Coastal project was authorized $970,000 in 2009 surplus funds. The project team, which includes the Office of Coastal Protection and Restoration, St Mary Parish, St. Martin Parish and Iberia Parish, have initiated a data gathering effort. We anticipate completing this phase of the project by the end of 2010. This information will be used kick start the project with the US Army corps of Engineers. Once study authorization is obtained from the US Congress the project will progress to the feasibility phase.	3B
SURPLUS	Morgan City/ St Mary Flood Protection	TV-55	HP	-		50,51	21	ST MARY		Pending	$3,870,000	This project will provide flood protection improvements by raising or improving over seven miles of the current levee system in the Morgan City area.	3B
SURPLUS	Four-Mile Canal Storm Surge Reduction Construction	TV-56	HP	-		49	26	VERMILION		Pending	$6,280,000	This project will provide flood protection improvements for Southern Vermilion Parish. This project consists of design, engineering, and construction of a swing barge flood control structure on Four-Mile Canal, just south of the Intracoastal Waterway.	3B
SURPLUS	Delcambre-Avery Canal (E&D)	TV-57	HP	-		49	22	IBERIA		Pending	$970,000	This project will design and engineer a flood control structure for the Delcambre-Avery Canal just south of the Intracoastal Waterway. When constructed this project will provide flood protection improvements by allowing the closure of the Delcambre-Avery Canal to reduce the impact of storm surge from Vermilion Bay.	3B
SURPLUS	Beneficial Use of I-10 Twin Span Debris (Deauthorized)		OTHER	-		103	2	ORLEANS	2.3	Deauthorized	$1,500,000	Use of Twin Span Debris as a form of shoreline protection for the Bayou Sauvage area.	1
WRDA	Davis Pond Freshwater Diversion	BA-01	FD	-	USACE	56, 83, 105, 54, 87, 84	3, 20, 1, 7, 19, 8	ST CHARLES	33000	2002	$120,000,000	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. This project can divert up to 10,650 cfs.	2
WRDA	Caernarvon Freshwater Diversion	BS-08	FD	-	USACE	105, 103	1	PLAQUEMINES		1991	$24,818,800	This project diverts freshwater and its accompanying nutrients and sediment from the Mississippi River to coastal bays and marshes in Breton Sound for fish and wildlife enhancement. This project can divert up to 8,000 cubic feet per second.	1

Notes:

Program: CWPPRA=Coastal Wetlands Planning, Protection and Restoration Act; State=Restoration projects funded primarily by the State of Louisiana; SECTION 204/1135= Water Resource Development Act Sections 204 and 1135 beneficial use of dredged material projects; WRDA=Water Resources Development Act; LCA=Louisiana Coastal Area; FEMA= Federal Emergency Managment Agency funded projects; CIAP 2007= Coastal Impact Assistance Program; Surplus 07, Surplus 08, Surplus 09=State surplus-funded projects; Other=funded by programs not otherwise listed.

Project Type: BI=Barrier Island; DM=Beneficial Use of Dredged Material; FD=Freshwater Diversion; HP=Hurricane Protection; HR=Hydrologic Restoration; MC=Marsh Creation; MM=Marsh Management; OM=Outfall Management; OTHER=other project types (infrastructure, etc.); PP=Property Purchase; SD=Sediment Diversion; SNT=Sediment and Nutrient Trapping; SP=Shoreline Protection; TE=Terraces; VP=Vegetation Planting.

Agency/Sponsor: BOEMRE=Bureau or Ocean Energy Management, Regulation, and Enforcement; EPA=Environmental Protection Agency; FEMA=Federal Emergency Management Agency; HUD=Housing and Urban Development; NMFS=National Marine Fisheries Service; NRCS=Natural Resources Conservation Service; NWRC=National Wetlands Research Center; USFWS=U.S. Fish and Wildlife Service; USACE=U.S. Army Corps of Engineers; USGS=U.S. Geological Survey.

PPL: Priority Project List (as authorized each year by the CWPPRA Task Force).