ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
BERM	Riverine Sand Mining/Scofield Island Restoration	BA-0040	BH	N/A	PLAQUEMINES	510	N/A	2013	$60,839,484	This project involved the creation of 369 acres of marsh and 237 acres of dune on Scofield Island in Plaquemines Parish using approximately 4.4 million cubic yards of sediment dredged from the Mississippi River. The project also utilized the existing platform previously created on the project site as part of the 2010 Emergency Barrier Berm (LA-0163) project.	2
BERM	Shell Island East	BA-0110	BH	N/A	PLAQUEMINES	307	N/A	2014	$47,679,580	This project created 83 acres of marsh and 188 acres of dune and beach on the eastern lobe of Shell Island in Plaquemines Parish using 2.17 million cubic yards of sediment dredged from the Mississippi River. The project also utilized the existing platform previously created on the project site as part of the 2010 Emergency Barrier Berm (LA-0163) project.	2
BERM	Emergency Barrier Berms	N/A	OT	N/A	PLAQUEMINES, SAINT BERNARD	1417	N/A	2011	$251,000,000	In response to the Deepwater Horizon oil spill, the State of Louisiana constructed approximately 16 miles of sand berms along several sections of the State's barrier islands both east and west of the Mississippi River in Plaquemines and St. Bernard parishes. The objective of these projects was to provide a barrier to oil and minimize the potential impact of the oil spill to thousands of acres of fragile barrier islands and wetlands in coastal Louisiana. Much of the material utilized in the berms was later incorporated into barrier island restoration projects on Pelican Island (BA-0038), Scofield Island (BA-0040), and Shell Island (BA-0110).	1, 2
CDBG	Lafitte Area Levee Repair	BA-0082	HP	HUD	JEFFERSON	N/A	0.1	Inactive	$819,185	This project will provide for the repair of damages to the existing levees in the Lafitte Area. This project will utilize available rock material to repair the earthen levees/banks that were damaged by hurricanes Gustav and Ike.	2
CDBG	Rosethorne Wetland Assimilation Project	BA-0083	HR	HUD	JEFFERSON	334	N/A	Inactive	$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-0084	FD	HUD	ASCENSION	N/A	N/A	2014	$3,194,355	This project replaced two of the existing pumps and motors at the Walter S. Lemann Pump Station and installed an emergency generator to operate the pump station during power outages.	2, 3A
CDBG	Madisonville Bulkhead	PO-0087	SP	HUD	ST TAMMANY	N/A	0.1	2014	$2,144,266	This project comprises construction of improvements to the existing bulkhead along the shore of Lake Pontchartrain and the Tchefuncte River at the Madisonville Marina in St. Tammany Parish.	1
CDBG	St. Tammany Parish Watershed Management Study	PO-0151	HR	HUD	ST TAMMANY	N/A	N/A	N/A	$1,363,233	This project assessed natural water resource features in the Parish and their interactions with existing man-made infrastructure for water resource management (storm water management, interior drainage, storm surge protection) to gain a better understanding of the water management system and the dynamics between its various natural and man-made components. This study would develop a prioritized list of implementable projects for combined water resource management in the Parish.	1
CDBG	Falgout Canal Road Levee	TE-0063	FD	HUD	TERREBONNE	N/A	4.35	2018	$24,803,191	This project involves constructing the 2.585-mile Segment 1 of Reach E of the Falgout Canal Road Levee (a portion of the federally authorized Morganza to the Gulf alignment) using CDBG funding. The larger project the Reach E levee supports will provide protection to the Bayou Dularge communities, encompassing over 2,300 homes within a 13,413-acre area, which suffered severe flooding from Hurricanes Gustav and Ike.	3A
CDBG	Cut-Off/Pointe Aux Chene Levee	TE-0078	HP	HUD	LAFOURCHE	N/A	2.14	2019	$10,249,101	This project consists of elevating approximately 8.5 miles of levee along two sections of earthen levee along the Morganza to the Gulf alignment (Reaches K and L) between Cut Off and Pointe-Aux-Chenes in Lafourche Parish.	3A
CDBG	Franklin Floodgate Sinkable Barge and Pump Station (Phase 1)	TV-0052-1	HP	HUD	ST MARY	N/A	0.2	2013	$6,345,093	This project involved construction of the first phase of a levee, flood wall, sinkable barge structure, and pump station on Franklin Canal in St. Mary Parish to prevent storm surge from inundating the town of Franklin.	3B
CDBG	Franklin Floodgate Sinkable Barge and Pump Station (Phase 2)	TV-0052-2	HP	HUD	ST MARY	N/A	0.2	2015	$2,481,000	This project involved construction of the second phase of a levee, flood wall, sinkable barge structure, and pump station on Franklin Canal in St. Mary Parish to prevent storm surge from inundating the town of Franklin.	3B
CDBG	Flood Control Structure at Boston Canal (Deauthorized)	TV-0058	HP	HUD	VERMILION	N/A	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.	3B
CDBG	Front Ridge Chenier Terracing/Protection	TV-0060	OT	HUD	VERMILION	40	N/A	Deauthorized	$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-0067	HP	HUD	VERMILION	N/A	0.1	Deauthorized	$6,343,862	This project involves the implementation of flood control measures in Bayou Tigre.	4
CIAP	Morgan City Industrial Road	AT-0005	OT	USFWS	ST MARY	N/A	N/A	2015	$1,247,000	The objective of this project is to reduce commercial traffic through residential neighborhoods in Morgan City and provide better access to the industrial facilities and the museum by rerouting traffic onto a newly constructed roadway. The new roadway is located along the protected side of the Morgan City Floodwall beginning at the at the floodgate on 2nd St., connecting to 2nd St. and Federal Ave. and ending at the tie into Industrial Road.	3B
CIAP	Atchafalaya Long Distance Sediment Pipeline	AT-0015	OT, MC	USFWS	ST MARY, TERREBONNE	N/A	N/A	N/A	$1,500,000	This project advanced the design of a sediment pipeline to transport sediments dredged from the Port of Morgan City's Channel Maintenance Program from the Berwick Bay Area of the Atchafalaya River to the Atchafalaya River Bar Channel Area. A potential alignment of the pipeline was evaluated to provide the optimum route for the future installation of a permanent or temporary pipeline to maximize the multi-purpose benefits associated with moving sediments from the Atchafalaya Basin.	3A
CIAP	Lake Salvador Shoreline Protection (Phase III)	BA-0015-X2	SP	USFWS	ST CHARLES	844	N/A	2009	$3,452,189	This project constructed approximately 7,000 linear feet of shoreline protection near the northwest shore of Lake Salvador in St. Charles Parish.	2
CIAP	East Grand Terre	BA-0030	BH	USFWS	PLAQUEMINES	683	N/A	2010	$25,426,247	The project goal was to restore 2.8 miles and 620 acres of barrier shoreline and 450 acres of marsh on East Grand Terre Island in Plaquemines Parish using 3.3 million cubic yards of offshore sediment. The project was designed under the CWPPRA Program and constructed under the CIAP program.	1
CIAP	Barataria Land Bridge Dedicated Dredging (CIAP)	BA-0036	MC	USFWS	JEFFERSON	363	N/A	2010	$18,000,000	The objective of this project is to create and or nourish 1200 acres of marsh in conjunction with CWPPRA project BA-36.	2
CIAP	Long Distance Mississippi River Sediment Pipeline	BA-0043-EB	OT, MC	USFWS	JEFFERSON, PLAQUEMINES	542	N/A	2016	$66,310,461	This project involved the creation of a reusable corridor for future restoration projects in the Barataria Landbridge in Plaquemines Parish, and the creation and nourishment of approximately 415 acres of marsh using 3.8 million cubic yards of sediment dredged from the Mississippi River.	2
CIAP	Caminada Headlands	BA-0045	BH	USFWS	LAFOURCHE	303	N/A	2014	$70,679,580	This project restored 303 acres of beach and dune habitat on Caminada Headland in Lafourche Parish (beginning at Belle Pass and extends approximately six miles east towards Bayou Moreau) through the direct placement of approximately 3.3 million cubic yards of sandy material from Ship Shoal (an offshore borrow source).	2
CIAP	LA 1 Improvements - Fourchon to Leeville Bridge (CIAP)	BA-0055	IN	USFWS	LAFOURCHE	N/A	N/A	2010	$33,000,000	This project constructed a five-mile long, two lane elevated highway (two 12-ft lanes and two 8-ft shoulders) along LA-1 approximately 60 miles south of New Orleans in lower Lafourche Parish between Leeville and Port Fourchon. 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-0058	MC	USFWS	PLAQUEMINES	300	N/A	2014	$8,756,605	This project reestablished approximately 300 acres of fragile marsh and minimized the continued fragmentation of wetlands system in lower Plaquemines Parish. The project targeted use of sediment from canals that require maintenance dredging.	2
CIAP	Mississippi River Water Reintroduction into Bayou Lafourche - BLFWD	BA-0161	FD	USFWS	ASCENSION, ASSUMPTION	Not Available	N/A	2016	$26,691,418	The Mississippi River diversion into Bayou Lafourche would restore coastal marshes and provides drinking water to over 300,000 residents. This project is the second incremental component of the larger diversion project and involved dredging Bayou Lafourche to a 1,000-cfs capacity channel for an additional 7-12 miles southward from the end point of the first increment (Bayou Lafourche Freshwater Introduction [BA-0025-SF]).	2, 3A
CIAP	Shoreline Protection Cat Island	BA-0162-CAT	SP	USFWS	PLAQUEMINES	16	N/A	Inactive	$1,200,000	This project will provide construction funding only on CAT Island. More funds are needed by Plaquemines Parish to complete the project. Project is ON HOLD until further notice.	2
CIAP	Shoreline Protection Emergency Restoration	BA-0162-SPER	SP	USFWS	PLAQUEMINES	16	N/A	2013	$355,780	This project involved the installation of 14,320 plants along 1.4 miles of shorelines impacted by the Deepwater Horizon (DWH) Spill in Bay Jimmy in order to re-establish the vegetation which helped stabilize the marsh platform to benefit 16.4 acres.	2
CIAP	Bayou Lamoque Floodgate Removal (Inactive)	BS-0013-EB	DI	USFWS	PLAQUEMINES	660	N/A	Inactive	$2,070,559	The goal of this project is to remove the existing floodgates from a freshwater introduction structures to allow for the unimpeded flow of river water into Baou Lamoque and the surrounding marshes.	1
CIAP	FIFI Island Restoration	CIAPFIFI	SP	USFWS	JEFFERSON	126	N/A	2003	$751,406	This project provides protection for approximately 100 acres of existing island habitat (Grand Isle & Fifi Island) 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

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
CIAP	Marsh Creation via Bevefical Use (Phase 10 (Black Lake)	CS-0035-EB	DM	USFWS	CAMERON	300	N/A	2010	$10,000,000	This project involves the creation of approximately 200 acres marsh through beneficial use of dredged material from the Calcasieu Ship Channel.	4
CIAP	Trosclair Road Repairs	CS-0047	IN	USFWS	CAMERON	N/A	N/A	2009	$400,000	This project involves construction of an overlay of Trosclair Road, a Cameron 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	TERREBONNE	4300	N/A	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	Performance Evaluation - Rockerfeller Refuge Performance Monitoring	LA-0012-1	OT	USFWS	CAMERON	N/A	N/A	N/A	$404,637	This CIAP Performance Evaluation project involved the monitoring of three types of shore structures constructed at Rockefeller Refuge as a demonstration to determine which type(s) are successful in protecting the shoreline.	4
CIAP	Performance Evaluation - Barataria Land Bridge Biological Monitoring	LA-0012-2	OT	USFWS	JEFFERSON	N/A	N/A	N/A	$432,618	This research study assessed the effect of dredged sediment application on soil-vegetation-hydrologic dynamics within deteriorating interior brackish marshes on the Barataria Land Bridge Dedicated Dredging (BA-0036) project.	2
CIAP	Performance Evaluation - Freshwater Bayou	LA-0012-3	OT	USFWS	VERMILION	N/A	N/A	N/A	$286,029	This study assessed the expected vertical elevation change of the dredge slurry fill due to immediate and long term settlement and consolidation. Work performed included reviewing previous analyses performed to help improve the ability to predict settlement and consolidation; researching new methods, models, and techniques that could improve how CPRA design teams predict settlement and consolidation; and data collection to verify the accuracy of the settlement and consolidation analyses performed during project design.	3A
CIAP	CIAP Performance Evaluation - Barrier Island Studies	LA-0012-5	OT	USFWS	PLAQUEMINES	N/A	N/A	N/A	$558,606	This performance evaluation assessed the post restoration morphology of the tidal pass at East Grand Terre and developed Barrier Island Comprehensive Monitoring Program vegetation sampling protocols.	2
CIAP	CIAP Performance Evaluation - Caminada Moreau Subsidence Study	LA-0012-6	OT	USFWS	JEFFERSON, LAFOURCHE	N/A	N/A	N/A	$432,793	This project involved an investigation of subsidence on the newly constructed Caminada Headland project (BA-0045) to quantify the amount of consolidation in the substrate underlying barrier islands that occurs from placement of sand for island restoration	2
CIAP	CIAP Performance Evaluation - Borrow Area Management and Monitoring	LA-0012-7	OT	USFWS	IBERIA, JEFFERSON, LAFOURCHE, ST CHARLES, ST TAMMANY, TERREBONNE	N/A	N/A	N/A	$813,512	The Borrow Area Monitoring and Management (BAMM) performance evaluation involved the collection of geophysical, geotechnical, and water quality data from several borrow areas to understand the evolution of borrow pits for restoration projects (inshore, nearshore, and offshore) over time, with a particular focus on the infilling (rates and types of sediment) and gradient of the pit-slopes as well as potential dredge impacts.	COASTWIDE
CIAP	Coastal Forest Conservation Initiative	LA-0013	PP, OT	USFWS	COASTWIDE	40000	N/A	N/A	$16,736,136	This demonstration project involved the development, installation, and monitoring of various shoreline protection alternatives in an area of the state where physical, logistical, and environmental limitations preclude the use of current adopted methods. The results of this analysis will inform the development of future CWPPRA projects.	COASTWIDE
CIAP	Rockefeller Shoreline Protection Demo (CIAP)	ME-0018-EB	SP	USFWS	CAMERON	23	N/A	2009	$6,054,083	The project assessed the performance of three types of shoreline protection structures to determine which type(s) of structures are successful in protecting the shoreline. Successful structure(s) will inform the development of future CWPPRA projects.	4
CIAP	Grand Lake Shoreline Protection (CIAP)	ME-0021-EB	SP	USFWS	CAMERON	495	N/A	2010	$9,129,919	This project constructed approximately 37,800 linear feet of shoreline protection on the south shore of Grand Lake from Superior Canal to Tebo Point in Cameron Parish.	4
CIAP	Mississippi River Delta Strategic Planning - SSPM Expansion	MR-16-SSPM	OT	USFWS	EAST BATON ROUGE	N/A	N/A	2017	$13,520,000	This project involved the construction of a new expanded Small Scale Physical Model (SSPM) capable of modeling smaller flows and with an increased area of coverage relative to the previous SSPM. The project also included the construction of a new facility to house the model and facilitate the use of the model for public outreach efforts. The project is a valuable educational and research tool that provides insight and qualitative understanding of critical aspects of the impacts of major diversions of water and sediments, future conditions, and navigation impacts.	1, 2, 3A
CIAP	Violet Diversion	PO-0035-EB	FD	USFWS	ST BERNARD	13200	N/A	N/A	$1,170,982	This project investigates the diversion of 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-0036-EB	SP	USFWS	ORLEANS, ST BERNARD	140	N/A	2013	$30,420,000	The project is located along 7.8 miles (41,337 linear feet) of the northwestern shoreline of Lake Borgne in Orleans Parish. It is intended to protect and prevent the loss of up to 140 acres of marsh and prevent/minimize shoreline retreat. Included in the protected area is the 23,000 acre Bayou Sauvage National Wildlife Refuge, the nation's largest urban wildlife refuge.	1
CIAP	East LaBranche Shoreline Protection	PO-0043	SP	USFWS	ST CHARLES	16	N/A	2015	$3,753,816	This project utilized State and parish CIAP funding to construct 1,400 linear feet of shoreline protection in critical areas of the remaining 18,000 linear feet of East LaBranche shoreline in St. Charles Parish that has not yet received shoreline protection.	1
CIAP	Central Wetlands Demonstration	PO-0073	HR	USFWS	ORLEANS	17	N/A	2015	$3,561,832	This demonstration project investigated the beneficial use of Ferrate as an alternative to chlorine to treat effluent at the SWBNO's East Bank Sewer Treatment Plant.	1
CIAP	Central Wetlands - Riverbend	PO-0073-1	HR	USFWS	ST BERNARD	346	N/A	2015	$2,000,000	This project involves the discharge of effluent from a CWBNO oxidation plant to be discharged into the Central Wetlands. This would allow vegetation to prosper once again in the area, and would also save St. Bernard Parish the cost of running a sewer line from the Oxidation plant to the Munster Plant.	1
CIAP	Central Wetlands - EBSTP to A2	PO-0073-2	HR	USFWS	ST BERNARD	473	N/A	Inactive	$4,438,168	This project involves the introduction of freshwater from the SWBNO's East Bank Sewer Treatment Plant to combat salt water intrusion from MRGO and thus attempt to replenish the once thriving Central Wetlands. The project involves piping treated effluent from the EBSTP to St. Bernard parish and vegetative plantings to nourish and sustain marsh.	1
CIAP	Central Wetlands Demonstration Expansion	PO-0073-3	HR	USFWS	ORLEANS	17.2	N/A	2016	$4,500,000	The Central Wetlands Demonstration Expansion project involved the restoration of 17.2 acres of critical wetlands in Orleans Parish in the area designated A-1 using wetlands assimilation of treated wastewater effluent and/or beneficial use of ash/biosolids from the East Bank Wastewater Treatment Plant and other sediment from SWBNO operations. Once the cell has been completed, the intent is to promote an ecological diversity with indigenous planting from cypress/tupelo trees to floating marsh islands.	1
CIAP	Rainey Audubon Wildlife Sanctuary Earthen Terraces	RAINEY	MC	USFWS	VERMILION	640	N/A	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-0043-EB	SP	USFWS	TERREBONNE	1,180	N/A	2011	$7,274,676	The project objective was to restore critical lengths of deteriorated channel banks along the Gulf Intracoastal Waterway (GIWW) in Terrebonne Parish and stabilize/armor selected critical lengths of deteriorated channel banks with hard shoreline stabilization materials. A portion of this project was constructed using CIAP 2007 funds and the remainder of the project received Phase 2 funding through CWPPRA.	3B
CIAP	Freshwater Bayou Bank Stabilization	TV-0011-B-EB	SP	USFWS	VERMILION	223	N/A	2014	$13,568,804	This project consists of approximately seven miles of rock revetment shoreline protection along four critical areas of the Freshwater Bayou navigation channel in Vermilion Parish.	3B
CIAP	Port of Iberia Bridge Replacement - Port Road over Commercial Canal	TV-0028	IN	USFWS	IBERIA	N/A	N/A	2013	$625,792	This project will replace the existing 24 foot wide by 76 foot long bridge on Port Road over Commercial Canal in Iberia Parish in order to continue to support the transportation needs to support the Port of Iberia.	3B
CIAP	Port of Iberia Bridge Replacement - David Dubois Road over Commercial Canal	TV-0030	IN	USFWS	IBERIA	N/A	N/A	2013	$1,058,013	This project will replace the existing 24 foot wide by 76 foot long bridge on David Dubois Road over Commercial Canal in Iberia Parish in order to continue to support the transportation needs to support the Port of Iberia.	3B
CIAP	Acadiana Regional Airport Street Improvements - Admiral Doyle Drive	TV-0031	IN	USFWS	IBERIA	N/A	N/A	2016	$1,114,942	This project involved the improvement of 5,310 feet of Admiral Doyle Road near the Acadiana Regional Airport in Iberia Parish from the intersection with LA-3212 to the end of the four lane section in order to improve access to both the airport and the Port of Iberia.	3B
CWPPRA	Atchafalaya Sediment Delivery	AT-0002	SD	NOAA	ST MARY	2232	N/A	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

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Big Island Mining	AT-0003	DM	NOAA	ST MARY	1560	N/A	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-0004	SD	NOAA	ST MARY	589	N/A	Deauthorized	$1,717,883	This project investigates dredging 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-0002	HR	NRCS	LAFOURCHE	175	N/A	2000	$12,896,358	The project includes the construction of features (including 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) in eastern Lafourche Parish to restore the area to the hydrologic conditions that prevailed historically.	2
CWPPRA	Naomi Outfall Management	BA-0003-C	OM	NRCS	JEFFERSON	634	N/A	2002	$2,285,972	The project manages 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 (Deauthorized)	BA-0004-C	HR	NRCS	PLAQUEMINES	646	N/A	Deauthorized	$6,620,516	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. Project was deauthorized in 2015.	2
CWPPRA	Lake Salvador Shore Protection Demonstration	BA-0015	SP	NOAA	ST CHARLES	N/A	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	Fourchon Hydrologic Restoration (Deauthorized)	BA-0018	HR	NOAA	LAFOURCHE	N/A	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-0019	MC	USACE	JEFFERSON	510	N/A	1996	$1,170,000	The project beneficially used dredge material to enlarge Queen Bess Island.	2
CWPPRA	Jonathan Davis Wetland Protection	BA-0020	HR, SP	NRCS	JEFFERSON	510	N/A	2003, 2012	$30,136,616	This project involved the construction of a series of water control structures west of Lafitte in Jefferson Parish, including 4,180 linear feet of rock rip rap revetment, 15,110 linear feet of concrete sheetpile wall, plugs, and marsh creation.	2
CWPPRA	Bayou Perot/Bayou Rigolettes Marsh Restoration (Deauthorized)	BA-0021	MC	NOAA	JEFFERSON	1065	N/A	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-0022	HR	NRCS	LAFOURCHE	737	N/A	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-0023	SP	NRCS	JEFFERSON	1789	N/A	2000	$3,304,787	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-0024	FD	NOAA	PLAQUEMINES	N/A	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
CWPPRA	Bayou Lafourche Siphon (Deauthorized)	BA-0025-A	FD	EPA	LAFOURCHE	428	N/A	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	Mississippi River Reintroduction Into Bayou Lafourche (Deauthorized)	BA-0025-B	FD	EPA	ASCENSION, ASSUMPTION, LAFOURCHE, TERREBONNE	85000	N/A	Deauthorized	$9,619,586	The goal of the project is to restore and protect the health of marshes in the Barataria and Terrebonne basins through reintroduction of sediment and nutrient laden Mississippi River water via Bayou Lafourche. This project was orginally authorized on the 5th PPL as BA-25. This project was officially deauthorized by the Breaux Act Task Force in October 2007; however, engineering and design will be continued by the CPRA using state funds.	2
CWPPRA	Barataria Bay Waterway East Side Shoreline Protection	BA-0026	SP	NRCS	JEFFERSON	217	N/A	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-0027	SP	NRCS	JEFFERSON, LAFOURCHE	1304	N/A	2009	$32,538,623	The objective of the project was 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 in Jefferson and Lafourche parishes. The total length of needed shoreline protection is estimated to be approximately 71,000 feet.	2
CWPPRA	Barataria Basin Landbridge Shoreline Protection, Phase 3	BA-0027-C	SP	NRCS	JEFFERSON, LAFOURCHE	5587	N/A	1999, 2008, 2017	$26,351,988	This project involved the construction of approximately 22,800 linear feet of rock dike shoreline protection along the west bank of Bayou Perot and the north shore of Little Lake in Jefferson and Lafourche parishes.	2
CWPPRA	Barataria Basin Landbridge Shoreline Protection Phase 4	BA-0027-D	SP	NRCS	JEFFERSON	589	N/A	2006	$17,709,216	This project consist sof 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-0028	VP	NOAA	JEFFERSON	127	N/A	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-0029	MC	EPA	LAFOURCHE	146	N/A	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-0030	MC	NOAA	JEFFERSON	403	N/A	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 was constructed using CIAP 2007 funds.	2
CWPPRA	Delta Building Diversion at Myrtle Grove (Transferred)	BA-0033	SD	USACE	JEFFERSON, PLAQUEMINES	8891	N/A	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 was transferred to the LCA Program.	2
CWPPRA	Mississippi River Reintroduction Into Northwest Barataria Basin (Transferred)	BA-0034	FD	EPA	LAFOURCHE, ST JOHN THE BAPTIST, ST JAMES	5134	N/A	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-0034-2	HR, VP	EPA	LAFOURCHE, ST JAMES	2395	N/A	2018	$6,152,473	This project involved the reestablishment of historic hydrologic durations in the Des Allemands Swamp in Lafourche and St. James parishes to maintain swamp elevation, improve swamp water quality, and increase productivity and regrowth of trees. Project features include spoil bank gapping, culvert installation, breaching of internal impediments, reestablishment of natural channels, and site-specific vegetative plantings.	2
CWPPRA	Pass Chaland to Grand Bayou Pass	BA-0035	BH	NOAA	PLAQUEMINES	359	N/A	2009	$37,023,827	This project involved the creation of 420 acres of dune and marsh platform on the north side of the Gulf of Mexico adjacent to Bay Joe Wise in Plaquemines Parish using 3.67 million cubic yards of sediment dredged from a nearshore Gulf borrow area. Sand fencing and vegetation were also installed on the constructed platform.	2
CWPPRA	Dedicated Dredging on the Barataria Basin Landbridge	BA-0036	MC	USFWS	JEFFERSON	2789	N/A	2010	$36,281,893	This project involved the construction of approximately 1,211 acres of intertidal marsh in two locations on the Barataria Landbridge in Jefferson Parish using approximately 5.36 million cubic yards of sediment dredged from Bayou Rigolettes and Bayou Perot. An additional 3.9 million 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-0037	MM, SP	NOAA	LAFOURCHE	713	N/A	2007	$44,931,412	This project is designed to protect area wetlands, which currently experience high rates of shoreline erosion. This project protects 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

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Pelican Island and Pass La Mer to Chaland Pass Restoration	BA-0038	BH, VP	NOAA	PLAQUEMINES	1117	N/A	2012	$52,894,031	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. 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-0039	MC	EPA	JEFFERSON, PLAQUEMINES	577	N/A	2010	$26,797,363	This project created and restored approximately 568 acres of brackish marsh adjacent to Bayou Dupont in Plaquemines Parish using approximately 2.3 million cubic yards sediment dredged from the Mississippi River, which was pumped via a 6-mile dredge pipeline to the project site. This marsh restoration project was the first of its kind to utilize the renewable sediment resources of the Mississippi River to create marsh, and is the first increment of several projects planned to rebuild the Barataria Landbridge.	2
CWPPRA	Rivering Sand Mining/Scofield Island Restoration (Transferred)	BA-0040	BH	NOAA	PLAQUEMINES	234	N/A	Transferred	$40,851,272	The goals of this project are to repair breaches and tidal inlets int eh shoreline, reinforce the wxisting shoreline with sand, and increase the island width with back barrier marsh creation to increase longevity. This project was transferred to the Berm to Barrier Program for construction.	2
CWPPRA	South Shore of the Pen Shoreline Protection and Marsh Creation	BA-0041	SP, MC	NRCS	JEFFERSON	211	N/A	2012	$17,475,047	This project involved the construction of approximately 1,000 feet of concrete pile and panel wall and 10,900 feet of rock revetment along the south shore of The Pen and Bayou Dupont in Jefferson Parish. Dedicated dredging was also used to create approximately 74 acres and nourish an additional 107 acres of marsh within the triangular area bounded by the south shore of The Pen, the Barataria Bay Waterway, and the Creole Gas Pipeline Canal.	2
CWPPRA	Lake Hermitage Marsh Creation	BA-0042	TE, SP, MC	USFWS	PLAQUEMINES	599	N/A	2015	$44,050,491	This project involved the creation of approximately 549 acres of wetlands in marshes surrounding Lake Hermitage in Plaquemines Parish using sediment dredged from the Mississippi River. The project also created approximately 50 acres of marsh through a shoreline restoration feature.	2
CWPPRA	West Pointe a la Hache Marsh Creation	BA-0047	MC	NRCS	PLAQUEMINES	357	N/A	2015, Transferred	$15,671,708	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. The project was constructed as part of BA-0042.	2
CWPPRA	Bayou Dupont Marsh and Ridge Creation Project	BA-0048	MC	NOAA	JEFFERSON	317	N/A	2016	$38,324,646	The Bayou Dupont Marsh and Ridge Creation project created 277 acres of marsh, nourished 93 acres of marsh, and created 20 acres (11,000 linear feet) of ridge adjacent to Bayou Dupont in Plaquemines Parish using 3.2 million cubic yards of sediment dredged from the Mississippi River.	2
CWPPRA	Grand Liard Marsh and Ridge Restoration	BA-0068	MC	NOAA	PLAQUEMINES	502	N/A	2015	$42,804,677	This project created about 328 acres of marsh, nourished about 140 acres of marsh, and constructed about 20,000 linear feet of ridge along Grand Liard in Plaquemines Parish using approximately 2 million cubic yards of sediment dredged from the Gulf of Mexico.	2
CWPPRA	Cheniere Ronquille Barrier Island Restoration (Transferred)	BA-0076	BH	NOAA	PLAQUEMINES	408	N/A	Transferred	$38,883,175	The objective of this project is to prevent breaching of the barrier shoreline by restoring the dune and marsh platform.	2
CWPPRA	Northwest Turtle Bay Marsh Creation	BA-0125	MC	USFWS	JEFFERSON	1062	N/A	2021	$33,664,671	This project involves the creation of approximately 423 acres and nourishment of approximately 337 acres of marsh in Northwest Turtle Bay in Jefferson Parish using sediment dredged from Turtle Bay or Little Lake.	2
CWPPRA	Bayou Dupont Sediment Delivery- Marsh Creation 3	BA-0164	MC	EPA	JEFFERSON, PLAQUEMINES	113	N/A	2017	$18,733,494	This project created and nourished approximately 415 acres of intermediate marsh adjacent to Bayou Dupont in Jefferson and Plaquemines parishes using 3.3 million cubic yards of sediment dredged from the Mississippi River.	1
CWPPRA	Caminada Headlands Back Barrier Marsh Creation	BA-0171	MC	EPA	LAFOURCHE	165	N/A	Pending	$32,284,094	This project will create and nourish 385 acres of back barrier intertidal marsh behind 3.5 miles of Caminada Headland in Lafourche Parish using material dredged from the Gulf of Mexico. This project will work synergistically with existing Caminada Headland dune and back barrier marsh projects (BA-0045 and BA-0143), expanding the restored back barrier marsh platform and improving the longevity of the barrier shoreline.	2
CWPPRA	Bayou Grande Cheniere Marsh and Ridge Restoration	BA-0173	MC	USFWS	PLAQUEMINES	264	N/A	Transferred	$36,051,640	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 in Plaquemines Parish using sediment dredged from the Mississippi River, as well as create 12 acres of forested coastal ridge habitat.	2
CWPPRA	Caminada Headlands Back Barrier Marsh Creation Increment 2	BA-0193	MC	EPA	JEFFERSON, LAFOURCHE	444	N/A	Transferred	$25,977,604	This project will create and/or nourish 444 acres of back barrier intertidal marsh along Caminada Headland in Lafourche Parish and create a platform upon which the beach and dune can migrate. This project will work synergistically with existing Caminada Headland dune and back barrier marsh projects (BA-0045 and BA-0143), expanding the restored back barrier marsh platform and improving the longevity of the barrier shoreline.	2
CWPPRA	East Leeville Marsh Creation and Nourishment	BA-0194	MC	NOAA	LAFOURCHE	297	N/A	Deauthorized	$35,066,972	The project goal is to create approximately 297 acres of saline marsh east of Leeville in Lafourche Parish using sediment dredged from Caminada Bay.	2, 3A
CWPPRA	Barataria Bay Rim Marsh Creation and Nourishment	BA-0195	MC	NRCS	PLAQUEMINES, JEFFERSON	517	N/A	Deauthorized	$23,545,026	The goal of this project is to create approximately 251 acres of marsh and nourish approximately 266 acres of marsh along the northern rim of Barataria Bay in Jefferson and Plaquemines parishes using sediment dredged from Barataria Bay.	2
CWPPRA	Northeast Turtle Bay Marsh Creation & Critical Areas Shoreline Protection	BA-0206	MC	NRCS	JEFFERSON	372	N/A	Pending	$43,482,092	The proposed project would create approximately 377 acres and nourish approximately 300 acres of marsh in Northeast Turtle Bay in Jefferson Parish using sediment dredged from Turtle Bay. Two types of containment will be utilized for this project: semi-contained and fully contained. Approximately 2,870 feet of critical shoreline would be protected and two channel liners would be installed to prevent further enlargement of two primary water exchange points.	2
CWPPRA	Grand Bayou Ridge and Marsh Creation	BA-0217	MC	USFWS	PLAQUEMINES	422	N/A	Pending	$40,235,427	This project involves the creation or nourishment of approximately 356 acres of marsh along Grand Bayou in Plaquemines Parish using sediment from the Mississippi River, and the construction of 25,000 linear feet of terraces (19 acres) in open water areas west of Grand Bayou using in situ material, and the construction of approximately 10,657 linear feet (13 acres) of forested ridges along the western bank of Grand Bayou using material from the bayou. Vegetative planting will be performed on the terrace and ridge habitat.	2
CWPPRA	Grand Bayou Ridge and Marsh Creation Restoration 2	BA-0257	MC	USFWS	PLAQUEMINES	386	N/A	Pending	$42,657,227	This project involves the creation of 307 acres and nourishment of 79 acres of marsh along Grand Bayou in Plaquemines Parish with sediment dredged from the Mississippi River, and the creation of 7,100 LF (9 acres) of forested ridge habitat (crown elevation +5.0 ft NAVD88, 20 LF wide) along the western bank of Grand Bayou using material from the bayou. Vegetative planting will be performed along the ridge crown and slopes after construction. The project would result in 302 net acres over the 20-year project life.	2
CWPPRA	Northeast Turtle Bay Marsh Creation Extension	BA-0258	MC	NRCS	JEFFERSON	343	N/A	Pending	$35,258,476	The goal of the project is to restore low salinity brackish marsh along the Barataria Basin Landbridge with dredged material fromTurtle Bay. This project will create approximately 362 acres and nourish approximately 61 acres of marsh (423 total). The project will result in approximately 343 net acres over the 20-year project life.	2
CWPPRA	Caernarvon Diversion Outfall Management	BS-0003-A	OM	NRCS	PLAQUEMINES	802	N/A	2002	$4,536,000	The primary objective of this project 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-0004-A	OM	NRCS	PLAQUEMINES	N/A	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-0007	SD	USACE	PLAQUEMINES	N/A	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-0009	FD	NRCS	PLAQUEMINES	N/A	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
CWPPRA	Delta Building Diversion North of Fort St. Philip (Deauthorized)	BS-0010	SD	USACE	PLAQUEMINES	543	N/A	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-0011	SNT	USFWS	PLAQUEMINES	543	N/A	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 were constructed to divert freshwater and sediment into areas currently restricted by spoil banks or natural ridges and linear vegetated terraces were 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-0012	OM, FD	NRCS	PLAQUEMINES	189	N/A	Deauthorized	$1,595,677	The goal of this project was to promote utilization of freshwater, sediments, and nutrients from Mississippi River by renewing operation of existing siphon and adding another. The project was deauthorized by the CWPPRA Task Force in 2013.	1

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Bayou Lamoque Freshwater Diversion (Transferred)	BS-0013	FD	EPA	PLAQUEMINES	620	N/A	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-0015	FD	EPA	PLAQUEMINES	640	N/A	Deauthorized	$556,703	The goal of the project was 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. The project was deauthorized by the CWPPRA Task Force in 2013.	1
CWPPRA	South Lake Lery Shoreline and Marsh Restoration	BS-0016	VP, MC	USFWS	PLAQUEMINES	652	N/A	2017	$33,716,987	This project involved the creation of 396 acres of marsh and the restoration of approximately 32,000 feet of the southern Lake Lery shoreline in Plaquemines Parish using 3.7 million cubic yards of sediment dredged from Lake Lery.	1
CWPPRA	Bertrandville Siphon (Deauthorized)	BS-0018	FD	EPA	PLAQUEMINES	1613	N/A	Deauthorized	$22,578,208	The goal of the project was to create and sustain marsh through a MS River reintroduction (2,000 cfs maximum siphon) into the open water near Bertrandville. The project was deauthorized by the CWPPRA Task Force in 2013.	1
CWPPRA	Terracing and Marsh Creation South of Big Mar	BS-0024	MC, TE	USFWS	PLAQUEMINES	383	N/A	Pending	$24,636,206	This project involves the create of approximately 70,000 linear feet (46 acres) of terraces using in situ material in the shallow open water areas south of Big Mar within the Caernarvon Diversion outfall area in Plaquemines Parish to reduce wave erosion and promote vegetative growth. Marsh creation is also proposed to reestablish the western shoreline of Lake Lery in association with the Lake Lery Shoreline Restoration Project.	2
CWPPRA	Mid Breton Land Bridge Marsh Creation & Critical Areas Shoreline Protection	BS-0032	MC	USFWS	PLAQUEMINES	411	N/A	Pending	$40,822,269	This project involves the creation and nourishment of approximately 561 acres of intertidal marsh on the Mid-Breton Land Bridge in Plaquemines Parish with material dredged from Lake Lery and the construction of approximately 22,960 linear feet of terraces in strategic areas to restore marsh habitat.	2
CWPPRA	East Delacroix Marsh Creation and Terracing	BS-0037	MC	NOAA	ST BERNARD	314	N/A	Pending	$37,816,133	This project involves the creation or nourishment of approximately 406 acres of marsh in Breton Sound in St. Bernard Parish using sediment from Lake Lery and the construction of approximately 12,950 linear feet (8 acres) of terraces using in situ material and arranged in a layout designed to help protect the community of Delacroix.	1
CWPPRA	Breton Landbridge Marsh Creation (West)	BS-0038	MC	NOAA	PLAQUEMINES	272	N/A	Pending	$36,413,043	This project involves the creation or nourishment of 423 acres of marshes and bank lines along the south side of Grand Lake in Plaquemines Parish using sediment dredged from the lake to address restoration of critical reaches of the Breton Landbridge. long-range, restoration goal which would create/nourish 1,This project is part of an overall long-range, restoration effort which would create and nourish up to 2,000 acres of intermediate marsh across seven miles of the Breton Basin from River aux Chenes to Bayou Terre aux Boeufs.	1
CWPPRA	North Delacroix Marsh Creation and Terracing	BS-0041	MC	NOAA	ST BERNARD	389	N/A	Pending	$35,521,865	The project goal is to create and nourish approximately 389 acres of marsh east of Delacroix in St. Bernard Parish using sediment dredged from Lake Lery and construct approximately 17,540 LF of terraces utilizing a layout to help protect the community of Delacroix. Terrace slopes and crown would be planted with appropriate marsh vegetation. The project would work synergistically with CWPPRA project BS-0037, East Delacroix Marsh Creation and Terracing.	1
CWPPRA	Phoenix Marsh Creation - East Increment	BS-0042	MC	USFWS	PLAQUEMINES	485	N/A	Pending	$41,134,185	The project goals are to restore marsh habitat in the open water areas via marsh creation, and provide a linkage with projects to the east to continue the Breton Landbridge westward. Specifically, this project will create 338 acres of marsh and nourish 147 acres of marsh using dredged material from the Mississippi River.. This project will also restore and protect habitat for threatened and endangered species like black rail, peregrine falcon, osprey, mottled duck, saltmarsh topminnow, and seaside sparrow.	2
CWPPRA	Reggio Marsh Creation and Hydrologic Restoration	BS-0043	MC	EPA	ST BERNARD	283	N/A	Pending	$33,638,138	This project aims to create and nourish approximately 484 acres of marsh east of the Reggio community, and plug 2 canals to help counteract saltwater intrusion to the north and west of Reggio.	1
CWPPRA	Phoenix Marsh Creation - West Increment	BS-0044	MC	USFWS	PLAQUEMINES	411	N/A	Pending	$39,676,193	This project involves the creation of 323 acres of marsh and nourishment of 88 acres of marsh in two semi-confined placement sites on the Breton Landbridge in Plaquemines Parish using sediment dredged from the Mississippi River. Where feasible, existing marsh will be used as containment instead of containment dikes. This project will work synergistically with CWPPRA projects BS-0032, Mid Breton Landbridge Marsh Creation and Terracing; BS-0038, Breton Landbridge Marsh Creation (West); and BS-0042, Phoenix Marsh Creation-East Increment to collectively create/nourish up to 2,000 acres of intermediate marsh across five miles of the Breton Sound Basin.	2
CWPPRA	Cameron-Creole Maintenance	CS-0004-A	HR	NRCS	CAMERON	2602	N/A	1997, 2011	$13,850,000	The project provides maintenance for the existing 19 miles of levee and five major structures which make up the Cameron-Creole Watershed Project, which is intended to reduce impacts within the watershed from saltwater intrusion and loss of sediments due to channelization and water diversion of the Calcasieu River.	4
CWPPRA	Brown Lake Hydrologic Restoration (Deauthorized)	CS-0009	MM	NRCS	CALCASIEU, CAMERON	916	N/A	Deauthorized	$1,097,828	The project investigated the restoration of the natural hydrology of the Brown Lake area. The project was deauthorized by the CWPPRA Task Force.	4
CWPPRA	Sweet Lake/Willow Lake Hydrologic Restoration	CS-0011-B	SP	NRCS	CAMERON	247	N/A	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	Cameron Creole Plugs	CS-0017	HR	USFWS	CAMERON	865	N/A	1997	$418,539	The project goal is to restore historic water circulation patterns within the Cameron-Creole Watershed. This objective will be accomplished by slowing the rapid movement of saline waters that enter the watershed from Calcasieu Lake. The project consisted of the installation of two sheetpile plugs in the lakeshore borrow canal.	4
CWPPRA	Sabine National Wildlife Refuge Erosion Protection	CS-0018	SP	USFWS	CAMERON	5542	N/A	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-0019	VP	NRCS	CAMERON	N/A	N/A	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-0020	MM	NRCS	CAMERON	1520	N/A	1996	$6,036,741	The project involves the creation of a hydrologic regime conducive to restoration, protection, and enhancement of the Mud Lake area 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-0021	MM	NRCS	CAMERON	650	N/A	2000	$1,586,228	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-0022	SP	USACE	CALCASIEU	1067	N/A	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-0023	MM	USFWS	CAMERON	953	N/A	2001	$5,709,299	This project involved the replacement of existing structures at Sabine National Wildlife Refuge with structures that have substantially greater discharge potential and greater management flexibility.	4
CWPPRA	Perry Ridge Shore Protection	CS-0024	SP	NRCS	CALCASIEU	1203	N/A	1999	$2,289,090	The project reduces tidal scour, wave action from boats, and other excessive energy impacts on interior marshes and the possibility of saltwater intrusion by placing rip-rap along low areas on the northern spoil bank of the GIWW from Perry Ridge to Vinton Drainage Canal.	4
CWPPRA	Plowed Terraces Demonstration	CS-0025	SNT	NRCS	CAMERON	N/A	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-0026	MC	EPA	CAMERON	N/A	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

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Black Bayou Hydrologic Restoration	CS-0027	HR	NOAA	CALCASIEU, CAMERON	3594	N/A	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-0028-4-5	MC	USFWS	CAMERON	460	N/A	2015	$11,838,649	This project involved the creation of 462 acres of intertidal emergent marsh north of Browns Lake in Cameron Parish via beneficial use of 4.6 million cubic yards of sediment dredged from the Calcasieu Ship Channel.	4
CWPPRA	Sabine Refuge Marsh Creation, Cycles 1-3	CS-0028-1	MC	USACE	CAMERON	662	N/A	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	Sabine Refuge Marsh Creation, Cycles 2	CS-0028-2	MC	USACE	CAMERON	N/A	N/A	2010	$17,750,000	This project involved the construction of permanent dredged material disposal pipeline, measuring 3.57 miles in length, beginning near Mile 13.2 of the Calcasieu River Ship Channel and terminating at the northeastern corner of the Sabine National Wildlife Refuge in Cameron Parish. The pipeline is to be used for future marsh creation projects in conjunction with the U.S. Army Corps of Engineers maintenance dredging of the Calcasieu River Ship Channel.	4
CWPPRA	Black Bayou Culverts Hydrologic Restoration	CS-0029	HR	NRCS	CALCASIEU, CAMERON	540	N/A	2007, 2010	$6,641,125	This project involved the construction of 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-0030	SP	NRCS	CALCASIEU	1132	N/A	2001	$2,256,216	The project consists of installing rock along the bank of the GIWW to prevent further erosion.	4
CWPPRA	Holly Beach Sand Management	CS-0031	SP	NRCS	CAMERON	330	N/A	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-0032-CU1	TE, HR	USFWS	CAMERON	281	N/A	2009	$6,864,413	The objectives of this project were to protect and restore marsh and restore the historic hydrologic regime to the Sabine National Wildlife Refuge in Cameron Parish using shoreline protection, terraces, and vegetative plantings.	4
CWPPRA	Cameron-Creole Freshwater Introduction	CS-0049	HR	NRCS	CAMERON	218	N/A	2021	$26,776,735	The purpose of this project is to restore function, value and sustainability to approximately 22,247 acres of marsh and open water on the east side of Calcasieu Lake in Cameron Parish by improving hydrologic conditions by the introduction of freshwater input via conduit from GIWW.	4
CWPPRA	Kelso Bayou Marsh Creation and Hydrologic Restoration	CS-0053	MC, SP	NRCS	CAMERON	274	N/A	Transferred	$17,882,765	The purpose of this project is to restore approximately 319 acres of marsh by pipeline sediment delivery from the Calcasieu Ship Channel and restore a portion of the historic channel of Kelso Bayou through constructing rock-dike shoreline protection along bayou mouth and adjacent bank remnants.	4
CWPPRA	Cameron-Creole Watershed Grand Bayou Marsh Creation	CS-0054	MC	USFWS	CAMERON	636	N/A	2019	$28,707,688	This project involved the creation of 606 acres of marsh and nourishment of 7 acres of degraded marsh near the eastern shore of Calcasieu Lake with dredged material from Calcasieu Lake to benefit fish and wildlife resources in the Cameron Prairie NWR and adjacent brackish marshes. The project received supplemental funding to create an additional 60 acres of marsh and nourish approximately 100 acres of marsh using funding from LDNR's Mitigation and Beneficial Use programs.	4
CWPPRA	Oyster Bayou Marsh Creation and Terracing	CS-0059	MC, SNT	NOAA	CAMERON	489	N/A	2019	$30,866,713	This project involved the creation of 836 acres of confined marsh, 13 acres of unconfined marsh, and nourishment of 96 acres of degraded saline marsh southwest of Oyster Lake in Cameron Parish using sediment from the Gulf of Mexico and the construction of 9,000 LF of earthen terraces to reduce wind/wave erosion.	4
CWPPRA	Cameron Meadows Marsh Creation and Terracing	CS-0066	MC, TE	NOAA	CAMERON	304	N/A	2022	$32,081,560	This project consists of the restoration of 334 acres of marsh in the vicinity of Old North Bayou in Cameron Parish using sediment dredged from the Gulf of Mexico to restore degraded habitat and re-establish hydrologic connectivity. The dredged material will also be used to construct 35,000 linear feet (18 acres) of terraces to reduce wave erosion. Additionally, over 30,000 linear feet of canals will be cleaned out to re-establish drainage patterns.	4
CWPPRA	No Name Bayou Marsh Creation and Nourishment	CS-0078	MC	NOAA	CAMERON	497	N/A	Pending	$29,503,137	This project involves the creation and/or nourishment of approximately 533 acres of emergent saline marsh along the Calcasieu Lake rim within the Cameron-Creole watershed in Cameron Parish using sediment from upland disposal sites of the Calcasieu Ship Channel.	4
CWPPRA	Oyster Lake Marsh Creation and Nourishment	CS-0079	MC	NOAA	CAMERON	413	N/A	Pending	$38,073,046	The primary goals of the project are to create approximately 476 acres and nourish approximately 185 acres of saline marsh south of Oyster Lake in Cameron Parish using sediment dredged from the Gulf of Mexico. Half of the created acres will be planted with smooth cordgrass vegetation.	4
CWPPRA	Sabine Marsh Creation Cycles 6&7	CS-0081	MC	USACE	CAMERON	900	N/A	Pending	$13,759,428	The primary goal of this project is to create 900 acres and nourish 29 acres of marsh in the Sabine National Wildlife Refuge in Cameron Parish by beneficially using approximately four million cubic yards of dredged material from the Calcasieu River Ship Channel during routine maintenance events. The project will utilize the 3.57 mile permanent pipeline that extends from the Calcasieu River Ship Channel to the refuge.	4
CWPPRA	Long Point Bayou Marsh Creation	CS-0085	MC	EPA	CAMERON	332	N/A	Pending	$12,515,533	The project goal is to create and/or nourish approximately 392 acres of emergent brackish marsh south of Hackberry in Cameron Parish through beneficial use of sediment previously dredged from the Calcasieu River and placed in upland disposal sites.	4
CWPPRA	East Cove Marsh Creation	CS-0088	MC	NRCS	CAMERON	355	N/A	Pending	$29,114,437	The goal of the project is to restore brackish and saline marsh within the Cameron Creole Watershed. Sediment will be hydraulically dredged from a borrow area in the southeastern portion of Calcasieu Lake and approximately 2.8 million cubic yards will be placed into two marsh creation areas totaling 355 acres to an elevation conducive for marsh creation. The project would result in 273 net acres over the 20-year project life.	4
CWPPRA	Nutria Harvest for Wetland Restoration Demonstration	LA-0003-A	OT	USFWS	COASTWIDE	N/A	N/A	2003	$806,220	This project enables 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-0003-B	MM	NRCS	COASTWIDE	14963	N/A	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-0005	OT	NRCS	TERREBONNE	N/A	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-0006	SP	USACE	VERMILION	0	N/A	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-0008	OR	NOAA	CAMERON	5	N/A	2012	$1,510,433	This project evaluated the performance of the Oyster break structure with respect to preventing beach erosion and increasing habitat diversity associated with natural oyster reefs. The results of this assessment will inform the development of future CWPPRA projects.	4
CWPPRA	Sediment Containment System for Marsh Creation Demonstration	LA-0009	MC	NRCS	ST CHARLES	3.3	N/A	2013	$2,323,073	This project assessed the effectiveness of a sediment containment system designed as an alternative to earthen containment in dredging to demonstrate the ability of the system to perform in small dredge applications. The results of this assessment will inform the development of future CWPPRA projects.	3A
CWPPRA	Non-rock Alternatives to Shoreline Protection Demo	LA-0016	SP	NRCS	IBERIA	N/A	N/A	2015	$7,358,699	The intent of this demonstration project is to provide a funding mechanism to research, install, and monitor various shoreline protection alternatives in an area of the state where physical, logistical and environmental limitations preclude the use of current adopted methods. The results of this analysis will inform the development of future CWPPRA projects.	2, 3B
CWPPRA	Coastwide Planting	LA-0039	VP	NRCS	COASTWIDE	779	N/A	N/A	$12,689,725	In response to the Deepwater Horizon oil spill which began on 04/20/2010, the State of Louisiana constructed approximately 16 miles of sand berms along several sections of the State's barrier islands both east and west of the Mississippi River in Plaquemines and St. Bernard parishes. The objective of these projects was to provide a barrier to oil and minimize the potential impact of the oil spill to thousands of acres of fragile barrier islands and wetlands in coastal Louisiana. Much of the material the material utilized in the berms was later incorporated into barrier island restoration projects on Pelican Island (BA-0038), Scofield Island (BA-0040), and Shell Island (BA-0110).	COASTWIDE
CWPPRA	Shoreline Protection, Preservation, and Restoration (SPPR) Panel	LA-0280	SP	NOAA	COASTWIDE	N/A	N/A	N/A	$2,669,829	The goal of this demonstration project is to provide a cost effective construction alternative to rip rap for shoreline protection. The project involves the construction and assessment of a pre-cast, saltwater tolerant concrete panel designed to stabilize existing shoreline features, attenuate shoreline retreat, and potentially enhance interior marshes and an accretion platform behind the structure.	COASTWIDE
CWPPRA	Salvinia Weevil Propagation Facility	LA-0284	OT	USFWS	COASTWIDE	26	N/A	N/A	$5,052,748	The goal of this project is to operate a weevil propagation facility in Jeanerette, like that previously operated by LSU in Houma, to make weevils available free of charge to landowners in coastal Louisiana for use in abating infestations of the invasive aquatic plant Salvinia.	COASTWIDE

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Freshwater Bayou Wetland Protection	ME-0004	SP	NRCS	VERMILION	14381	N/A	1998	$9,871,230	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. The project has been extended for another 20 years.	4
CWPPRA	Dewitt-Rollover Vegetative Plantings Demonstration (Deauthorized)	ME-0008	VP	NRCS	VERMILLION	102	N/A	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 Protection	ME-0009	SP	USFWS	CAMERON	640	N/A	1994	$1,227,123	This project protects the emergent wetlands of the Cameron Prairie National Wildlife Refuge adjacent to the GIWW, enhances the emergent wetlands protected by constructing approximately 2.5 miles of rock dike parallel to the existing spoil bank, and terminates the encroachment of the GIWW into the refuge.	4
CWPPRA	Humble Canal Hydrologic Restoration	ME-0011	HR	NRCS	CAMERON	378	N/A	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-0012	SP	NRCS	IBERIA	N/A	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-0013	SP	NRCS	VERMILION	511	N/A	1998	$8,913,357	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 was achieved by constructing a rock dike along critical areas of the eastern and western banks of the canal. The project was extended for another 20 years.	4
CWPPRA	Pecan Island Terracing	ME-0014	TE	NOAA	VERMILION	437	N/A	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-0016	HR	USFWS	IBERIA	296	N/A	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-0017	HR	NRCS	CAMERON	144	N/A	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. The project was subsequently deauthorized by the CWPPRA Task Force.	4
CWPPRA	Rockefeller Refuge Gulf Shoreline Stabilization	ME-0018	SP	NOAA	CAMERON	256	N/A	2020	$35,426,478	The project consists of approximately three miles of encapsulated lightweight aggregate breakwater structures along the Gulf of Mexico between Joseph Harbor and the Beach Prong in Vermilion Parish. Gaps within the shoreline protection feature are also proposed to facilitate material and organism linkages.	4
CWPPRA	Grand-White Lakes Landbridge Protection	ME-0019	SP	USFWS	CAMERON	213	N/A	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-0020	HR, MC	NRCS	CAMERON	414	N/A	2022	$23,873,346	The project involves the creation of 430 acres and nourishment of 23 acres of marsh in two cells east and west of Second Lake in Cameron Parish using dredged material from the Gulf of Mexico. Marsh restoration retention levees will be degraded and tidal creeks constructed one year after construction to restore the area's natural hydrology and estuarine organism access.	4
CWPPRA	Grand Lake Shoreline Protection, Tebo Point	ME-0021	SP	NRCS	CAMERON	45	N/A	2017	$11,305,616	This project involved construction of a rock dike to protect the south shoreline of Grand Lake from Catfish Lake through Tebo Point in Cameron Parish, and provides long-term Operations & Maintenance for both this portion and the adjacent portion previously constructed under CIAP (ME-0021-EB).	4
CWPPRA	South White Lake Shoreline Protection	ME-0022	SP	USACE	VERMILION	844	N/A	2006	$19,673,961	This project involved the construction of a rock dike along the south shoreline of White Lake to reduce erosion and maintain shoreline integrity.	4
CWPPRA	South Pecan Island Freshwater Introduction (Deauthorized)	ME-0023	FD	NOAA	CAMERON	98	N/A	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-0024	MC	USACE	CAMERON, VERMILION	888	N/A	Inactive	Not Avail	The goal of the project is 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 USACE.	4
CWPPRA	Freshwater Bayou Marsh Creation	ME-0031	MC	NRCS	VERMILION	279	N/A	Pending	$26,756,513	The project involves the creation/nourishment of approximately 401 acres of marsh west of Freshwater Bayou in Vermilion Parish via dedicated dredging from the Gulf of Mexico or beneficial use of maintenance dredging from the Freshwater Bayou canal to restore a wetland buffer between large open water areas in the Mermentau Basin and Freshwater Bayou.	4
CWPPRA	South Grand Chenier Marsh Creation - Baker Tract	ME-0032	MC	NRCS	CAMERON	393	N/A	Pending	$26,691,833	The purpose of this project is to create or nourish approximately 420 acres of marsh east of Lower Mud Lake in Cameron Parish using material dredged from the Gulf of Mexico. Retention levees will be degraded and tidal creeks will be constructed post-construction for estuarine fisheries access, and smooth cordgrass plugs will be planted throughout the area.	4
CWPPRA	West Bay Sediment Diversion	MR-0003	SD	USACE	PLAQUEMINES	9831	N/A	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 was designed to 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-0006	SD	USACE	PLAQUEMINES	2097	N/A	1997	$888,985	The project consists of deepening the invert of the existing 150 foot wide gap in the Mississippi River channel bank armor. The existing invert was 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 were enlarged. Approximately 125,000 cubic yards of material were 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-0007	SD	USACE	PLAQUEMINES	1043	N/A	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-0008	DM	USACE	PLAQUEMINES	N/A	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-0009	SD	NOAA	PLAQUEMINES	2386	N/A	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-0010	DM	USACE	PLAQUEMINES	N/A	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-0011	FD	USACE	ST BERNARD	N/A	N/A	Deauthorized	$83,556	This demonstration project was intended 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. The project was subsequently deauthorized by the CWPPRA Task Force.	1
CWPPRA	Mississippi River Sediment Trap (Deauthorized)	MR-0012	MC	USACE	PLAQUEMINES	1190	N/A	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 CWPPRA Task Force in 2009 due to the high cost to implement the project.	1, 2

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Benneys Bay Diversion (Deauthorized)	MR-0013	SD	USACE	PLAQUEMINES	4580	N/A	Deauthorized	$976,580	The objective of the project was 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. The project was deauthorized by the CWPPRA Task Force in 2013.	1
CWPPRA	Spanish Pass Diversion (Deauthorized)	MR-0014	SD	USACE	PLAQUEMINES	433	N/A	Deauthorized	$310,151	The goal of this project was to create emergent marsh by diverting Mississippi River water and sediment from Grand Pass into open water receiving areas. The project was deauthorized by the CWPPRA Task Force in 2013.	2
CWPPRA	Venice Ponds Marsh Creation and Crevasses (Inactive)	MR-0015	MC	EPA	PLAQUEMINES	511	N/A	Inactive	$23,442,176	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. The project was designated as Inactive by the CWPPRA Task Force in 2013.	2
CWPPRA	Fritchie Marsh Restoration	PO-0006	HR	NRCS	ST TAMMANY	1040	N/A	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 by increasing the flow of fresh water into the marsh and managing the outfall.	1
CWPPRA	Violet Freshwater Distribution (Deauthorized)	PO-0009-A	HR	NRCS	ST BERNARD	247	N/A	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 2001 because of landrights issues.	1
CWPPRA	Bayou Sauvage National Wildlife Refuge Hydrologic Restoration, Phase 1	PO-0016	HR	USFWS	ORLEANS	3800	N/A	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. This project established a means for removing the excess water during the spring and summer.	1
CWPPRA	Bayou LaBranche Wetland Creation	PO-0017	MC	USACE	ST CHARLES	487	N/A	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-0018	HR	USFWS	ORLEANS	1280	N/A	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-0019	MM	USACE	ST BERNARD	755	N/A	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, were used to control and divert water flow to prevent the perched marshes from draining.	1
CWPPRA	Red Mud Demonstration (Deauthorized)	PO-0020	MC	EPA	ST JOHN THE BAPTIST	N/A	N/A	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-0021	HR	NOAA	CAMERON	1453	N/A	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-0022	SP	USACE	ORLEANS	212	N/A	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 created about 150 acres of marsh.	1
CWPPRA	Hopedale Hydrologic Restoration	PO-0024	HR	NOAA	ST BERNARD	106	N/A	2005	$2,281,287	This project is designed to abate site-specific wetland loss by replacing collapsed culverts installed in the 1950s near Yscloskey, 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-0025	MC	NOAA	TERREBONNE	442	N/A	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-0026	FD	USACE	PLAQUEMINES	177	N/A	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-0027	VP	NOAA	ST BERNARD	88	N/A	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-0028	VP	NOAA	ST CHARLES	489	N/A	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 2007.	1
CWPPRA	Lake Borgne Shoreline Protection	PO-0030	SP	EPA	ST BERNARD	229	N/A	2008	$26,793,123	The goal of this project was to maintain the integrity of the narrow strip of marsh that separates Lake Borgne from the Mississippi River Gulf Outlet (MRGO) in St. Bernard Parish. This land helps protect the communities of Shell Beach, Yscloskey, and Hopedale from direct exposure to lake wave energy and storm surges. The goal was accomplished through construction of a continuous nearshore rock breakwater.	1
CWPPRA	Lake Borgne and MRGO Shoreline Protection (Deauthorized)	PO-0032	SP	USACE	ST BERNARD	93	N/A	Deauthorized	$1,089,193	The objective of this project was to preserve the marsh between Lake Borgne and the Mississippi River Gulf Outlet (MRGO) by constructing a rock dike along the Lake Borgne shoreline and the northern bank of the MRGO. The Lake Borgne segment of this project was constructed by the USACE with funds from the 3th supplemental, and the remaining portion of the project was deauthorized by the CWPPRA Task Force.	1
CWPPRA	Goose Point/Point Platte Marsh Creation	PO-0033	MC	USFWS	ST TAMMANY	436	N/A	2009	$22,117,777	This project created about 437 acres and nourished about 114 acres of marsh along the North Shore of Lake Pontchartrain in St. Tammany Parish using 3.1 million cubic yards of sediment dredged from Lake Pontchartrain.	1
CWPPRA	Alligator Bend Marsh Restoration and Shoreline Protection	PO-0034	TE, VP, SP	NRCS	ORLEANS	121	N/A	Inactive	Not Avail	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-0075	MC	NRCS	ST CHARLES	1471	N/A	Pending	$56,935,926	This project consists of the creation and nourishment of 1,471 acres of marsh between Lake Pontchartrain and I-10 in St. Charles Parish using dedicated dredging from Lake Pontchartrain. The project has been combined with the LaBranche Central Marsh Creation (PO-0133) to capitalize on economies of scale and cost savings, providing optimal benefit to the LaBranche wetlands.	1
CWPPRA	Bayou Bonfouca Marsh Creation	PO-0104	MC	USFWS	ST TAMMANY	424	N/A	2018	$29,273,984	The project involved the creation and nourishment of approximately 621 acres of marsh adjacent to Bayou Bonfouca in St. Tammany Parish using 3.6 million cubic yards of sediment dredged from Lake Pontchartrain to restore interior marsh and stabilize the Lake Pontchartrain shoreline.	1
CWPPRA	LaBranche Central Marsh Creation	PO-0133	MC	NRCS	ST CHARLES	731	N/A	Inactive	$29,716,074	This project consists of the creation of 762 acres and nourishment of 140 acres of marsh south of I-10 in St. Charles Parish using dedicated dredging from Lake Pontchartrain. The project is located immediately south of the LaBranche East Marsh Creation (PO-0075) project and will work synergistically with that project to provide optimal benefit to the LaBranche wetlands.	1
CWPPRA	Shell Beach South Marsh Creation	PO-0168	MC	EPA	ST BERNARD	634	N/A	Inactive	$29,351,519	The project would create and/or nourish 634 acres (ac) of emergent brackish marsh to stabilize the landform seperating Lake Borgne from the MRGO. 343 ac of new marsh would be created and 291 ac nourished using fill material from Lake Borgne.	1
CWPPRA	New Orleans Landbridge Shoreline Stabilization and Marsh Creation	PO-0169	MC, BS	USFWS	ORLEANS	284	N/A	Pending	$25,446,125	The project goal is to create 169 acres and nourish 102 acres of marsh and to enhance 15,340 linear feet of shoreline via earthen berm at two locations on the Orleans Landbridge along U.S.-90 in Orleans Parish using sediment dredged from Lake Pontchartrain and Lake St. Catherine.	1
CWPPRA	Fritchie Marsh Creation and Terracing	PO-0173	MC	NOAA	ST TAMMANY	366	N/A	Pending/On Hold	$29,867,440	This project involves the creation and/or nourishment of approximately 340 acres of emergent brackish marsh and creation of 36,610 linear feet of earthen terraces (26 emergent acres) in the Fritchie Marsh area between the city of Slidell and the Rigolets using sediment from Lake Pontchartrain.	1

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	St. Catherine Island Marsh Creation and Shoreline Protection	PO-0179	MC	USFWS	ORLEANS	339	N/A	N/A	$25,324,715	This project involves the restoration of Lake Pontchartrain shoreline at Chef Menteur Pass in Orleans Parish through the construction of approximately 13,000 linear feet of shoreline revetment, 7,000 linear feet of foreshore dike, and the creation or nourishment of approximately 219 acres of marsh using sediment dredged from Lake Pontchartrain.	2
CWPPRA	Bayou Cane Marsh Creation	PO-0181	MC	USFWS	ST TAMMANY	356	N/A	Pending	$31,600,635	This project consists of creating approximately 384 acres and nourishing 65 acres of marsh along the Lake Pontchartrain shoreline southwest of Lacombe in St. Tammany Parish using sediment dredged from Lake Pontchartrain.	1
CWPPRA	Grand Bayou Hydrologic Restoration (Deauthorized)	TE-0010	HR	USFWS	LAFOURCHE	199	N/A	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 by the CWPPRA Task Force.	3A
CWPPRA	Falgout Canal Planting Demonstration	TE-0017	VP	NRCS	TERREBONNE	N/A	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-0018	VP	NRCS	TERREBONNE	N/A	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-0019	MM	NOAA	TERREBONNE	N/A	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 1996.	3A
CWPPRA	Isles Dernieres Restoration East Island	TE-0020	BH	EPA	TERREBONNE	449	N/A	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-0022	VP, MC	NOAA	TERREBONNE	375	N/A	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-0023	SP	USACE	LAFOURCHE	474	N/A	1998	$6,826,754	The project reduces 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 was placed in the Evans Canal, and plugs on other canals.	3A
CWPPRA	Isles Dernieres Restoration Trinity Island	TE-0024	BH, MC	EPA	TERREBONNE	776	N/A	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-0025	BH	NOAA	TERREBONNE	1913	N/A	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-0026	MC	NOAA	TERREBONNE	509	N/A	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-0027	BH, MC	EPA	TERREBONNE	657	N/A	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-0028	HR	NRCS	TERREBONNE	297	N/A	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-0029	BH	NRCS	TERREBONNE	N/A	N/A	1997	$1,795,388	This project protects 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-0030	BH	NOAA	TERREBONNE	215	N/A	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-0031	SP	NRCS	TERREBONNE	N/A	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 2001.	3A
CWPPRA	North Lake Boudreaux Basin Freshwater Introduction and Hydrologic Management	TE-0032-A	HR	USFWS	TERREBONNE	265	N/A	Transferred	$26,875,959	The project aims to introduce freshwater from the HNC through an enlarged Bayou Pelton channel across Bayou Grand Caillou and through a gated channel. The project was transferred to the local parish for implementation.	3A
CWPPRA	Bayou Boeuf Pump Station (Deauthorized)	TE-0033	HR	EPA	TERREBONNE	N/A	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 1998.	3A
CWPPRA	Penchant Basin Natural Resources Plan, Increment 1	TE-0034	FD, HR, SP	NRCS	TERREBONNE	675	N/A	2011	$18,878,814	The objective of the project was to divert freshwater flow within the Penchant Basin in Terrebonne Parish from northwestern to southeastern 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-0035	MC	USACE	ST MARY	434	N/A	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 1998.	3B
CWPPRA	Thin Mat Floating Marsh Enhancement Demonstration	TE-0036	MC	NRCS	TERREBONNE	N/A	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. Project monitoring is intended to determine the effects of water movement and sediment availability on these marshes.	3B
CWPPRA	New Cut Dune and Marsh Restoration	TE-0037	BH, MC	EPA	TERREBONNE	386	N/A	2008	$12,869,325	The objective of this project was to close the breach between East and Trinity Islands in Terrebonne Parish that was originally created by Hurricane Carmen (1974) and subsequently enlarged by Hurricane Juan (1985) and Hurricane Andrew (1992). The breach closed by the restoration of about 8,000 linear feet of barrier island using approximately 850,000 cubic yards of sediment dredged from the Gulf of Mexico. Vegetative planting was also performed along with over 17,000 linear feet of sand fencing.	3A
CWPPRA	South Lake Decade Freshwater Introduction	TE-0039	HR	NRCS	TERREBONNE	202	N/A	2011	$6,473,826	This project included the construction of a water control structure in the southern bank of Lake DeCade in Terrebonne Parish. This structure is designed to increase the amount of Atchafalaya River water and sediment introduced into the marshes south of the lake. In addition, shoreline protection was implemented adjacent to the proposed structure, and a weir in Lapeyrouse Bayou was removed.	3B
CWPPRA	South Lake Decade Freshwater Introduction - CU2	TE-0039-CU2	HR	NRCS	TERREBONNE	207	N/A	Inactive	In Development	To introduce sediment-rich fresh water from Lake Decade into the marsh area south of the lake bank.	3A
CWPPRA	Timbalier Island Dune and Marsh Restoration	TE-0040	BH, MC	EPA	TERREBONNE	663	N/A	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-0041	SP	USFWS	TERREBONNE	N/A	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 allows the evaluation of several low-cost solutions for restoring habitat in blowout areas and preventing bank erosion.	3A, 3B

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Move Existing Atchafalaya Water to Central Terrebonne (Transferred)	TE-0042	HR	USFWS	ST MARY	N/A	N/A	Transferred	N/A	This project is intended to reduce marsh loss through the improved distribution of excess freshwater seasonally available in the Gulf Intracoastal Waterway (GIWW). The project will benefit deteriorating marshes in central and/or eastern portions of the Terrebonne Basin. This project was transferred to the LCA program.	3A
CWPPRA	GIWW Bank Restoration of Critical Areas in Terrebonne	TE-0043	SP	NRCS	TERREBONNE	345	N/A	2014	$13,022,245	This project constructed 10,584 feet of rock dike shoreline protection to protect a segment of deteriorated bank along the Gulf Intracoastal Waterway (GIWW) in Terrebonne Parish. The objective of this project was to protect critically eroding portions of the southern bank of the GIWW to protect the adjacent fragile interior marshes.	3A
CWPPRA	North Lake Mechant Landbridge Restoration	TE-0044	SP, MC	USFWS	TERREBONNE	604	N/A	2009	$40,254,428	The project helped to maintain and restore the North Lake Mechant landbridge in Terrebonne Parish (Lake Mechant north shoreline and the Small Bayou La Pointe Ridge) by creating and nourishing 604 acres of marsh using 5.1 million cubic yards of sediment dredged from North Lake Mechant. Other project features included planting 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-0045	SP	USFWS	TERREBONNE	0	N/A	2007	$3,968,768	This project evaluated the performance of 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-0046	SP	USFWS	TERREBONNE	145	N/A	2008	$19,143,813	The purpose of this project was to create and nourish about 200 acres of marsh along the western shoreline of Lake Boudreaux in Terrebonne Parish 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 (Inactive)	TE-0047	BH	EPA	TERREBONNE	500	N/A	Inactive	$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 would provide a barrier to reduce wave and tidal energy, thereby protecting mainland shoreline from continued erosion. The project was designated as Inactive by the CWPPRA Task Force in 2013.	3A
CWPPRA	Raccoon Island Shoreline Protection and Marsh Creation	TE-0048	BH, MC	NRCS	TERREBONNE	16	N/A	2007, 2013	$21,364,793	The purpose of the project was to protect the existing southern shoreline of the Raccoon Island in Terrebonne Parish by constructing eight new rock breakwater and the creation of 60 acres of marsh on the land side of the island using 735,000 cubic yards of sediment dredged from the Gulf of Mexico.	3A
CWPPRA	Avoca Island Diversion and Land Building (Deauthorized)	TE-0049	FD, MC	USACE	ST MARY	280	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. The project was subsequently deauthorized by the CWPPRA Task Force.	3A
CWPPRA	Whiskey Island Back Barrier Marsh Creation	TE-0050	BH	EPA	TERREBONNE	270	N/A	2010	$26,831,855	This project involved construction of 316 acres of back barrier marsh on Whiskey Island in Terrebonne Parish using 2.5 million cubic yards of sediment dredged from the Gulf of Mexico. Other project features include 5,800 linear feet of tidal creeks, three one-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-0051	MC, TE	NOAA	TERREBONNE	334	N/A	Inactive	$39,821,438	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-0052	BH	NOAA	LAFOURCHE	389	N/A	2012	$34,219,212	This project reestablished the West Belle headland in Lafourche Parish by rebuilding approximately 9,300 linear feet (362 acres) of beach, dune, and back barrier marsh using 4.2 million cubic yards of sediment dredged from the Gulf of Mexico.	3A
CWPPRA	Enhancement of Barrier Island Vegetation Demo	TE-0053	VP	EPA	TERREBONNE	N/A	N/A	2011	$2,169,264	The goal of this project was to test several technologies or products to enhance the establishment and growth of key barrier island and salt marsh vegetation. The project focused 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-0066	MC, HR	NRCS	TERREBONNE	456	N/A	Transferred	$17,890,120	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-0072	HR, MC	USFWS	TERREBONNE	1158	N/A	2018	$37,119,324	This project created approximately 465 acres of marsh along the north and west shorelines of Lost Lake in Terrebonne Parish using sediment dredged from Lost Lake. Other project features include 30,000 linear feet (22 acres) of earthen terraces north of Bayou DeCade and the installation of four variable-crest weirs along Carencro Bayou and Rice Bayou to restore the hydrology within the western marsh creation cell.	3A, 3B
CWPPRA	Terrebonne Bay Marsh Creation - Nourishment	TE-0083	MC	USFWS	TERREBONNE	353	N/A	Deauthorized	$28,664,401	The 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-0112	MC	NRCS	LAFOURCHE	666	N/A	Pending/On Hold	$31,635,887	The project involves the creation of approximately 415 acres and nourishment of 251 acres of marsh on the northern shoreline of Catfish Lake in Lafourche Parish using sediment dredged from Catfish Lake.	3A
CWPPRA	Island Road Marsh Creation & Nourishment	TE-0117	MC	NOAA	TERREBONNE	383	N/A	Pending	$40,435,267	This project involves the creation of 364 acres and nourishment of 19 acres of saline marsh adjacent to Island Road in Terrebonne Parish using sediment dredged from Lake Tambour. Half of the newly constructed marsh (182 acres) will be planted following construction to stabilize the platform and reduce time for full vegetation.	3A
CWPPRA	West Fourchon Marsh Creation	TE-0134	MC	NOAA	LAFOURCHE	304	N/A	Pending	$30,655,764	This project involves the creation of 302 acres and nourishment of 312 acres of marsh between Bayou Lafourche and Timbalier Bay in Lafourche Parish using sediment dredged from the Gulf of Mexico.	3A
CWPPRA	Bayou DeCade Ridge and Marsh Creation	TE-0138	MC	NOAA	TERREBONNE	378	N/A	N/A	$24,781,121	This project involves the creation or nourishment of approximately 465 acres of intermediate marsh adjacent to Lake De Cade in Terrebonne Parish using sediment dredged from Lake De Cade, and the restoration of 11,131 linear feet of Bayou DeCade's northern ridge to a crown elevation of +5.0 feet, a width of 10 feet, vegetative planting with woody species.	3A
CWPPRA	Bay Raccourci Marsh Creation and Ridge Restoration	TE-0156	MC	USFWS	TERREBONNE	343	N/A	Pending	$39,837,121	The project aims to create/nourish 470 acres of marsh with dredged material from Lake Mechant and create approximately 25,000 linear feet of ridge habitat along portions of Bayou Decade to reduce shoreline erosion.	3A
CWPPRA	East Catfish Lake Marsh Creation and Shoreline Protection	TE-0157	MC	USFWS	LAFOURCHE	306	N/A	Inactive	$42,277,142	The goal of this project is to create, nourish, and protect approximately 306 acres of marsh on the southeast corner or Catfish Lake in Lafourche Parish using sediment dredged from Catfish Lake and the construction of approximately 12,479 linear feet of shoreline protection.	3A
CWPPRA	Bay Raccourci Marsh Creation Increment 2	TE-0166	MC	USFWS	TERREBONNE	290	N/A	Pending	$29,481,022	This project consists of the creation and nourishment of 290 acres of marsh in the vicinity of Bay Raccourci and Lake Mechant using sediment from Lake Mechant. It is also designed to slow the movement of saline water north from Lake Mechant into the Bayou Decade wetland complex. Additionally, the project will install marsh plantings along the shoreline of Bay Raccourci.	3A
CWPPRA	Port Fourchon Marsh Creation	TE-0171	MC	EPA	LAFOURCHE	605	N/A	Pending	$37,075,992	The primary goals of this project are to restore degraded wetland habitat and provide increased protection from storm surge and flooding. Specific goals of the project are to create approximately 514 acres and nourish 91 acres of marsh with dredged material from Belle Pass. The project will also evaluate the use of Belle Pass sedimetn for coastal restoration and demonstrate cost sharing	3A
CWPPRA	Vermilion River Cutoff Bank Protection	TV-0003	SP	USACE	VERMILION	202	N/A	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-0004	HR	NRCS	ST MARY	2223	N/A	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-0009	SP	NRCS	VERMILION	378	N/A	1995	$1,043,748	The project involves stabilizing 15 miles of Vermilion Bay shoreline and preventing further regression of the Boston Canal banks. A strip of Vermilion Bay shoreline approximately 25 feet wide by 15 miles long was planted with single stems of Spartina alterniflora at 3 foot intervals.	3B
CWPPRA	Freshwater Bayou Bank Stabilization - Belle Isle Canal to Lock (Inactive)	TV-0011-B	SP	USACE	VERMILION	N/A	N/A	Inactive	$1,101,738	The project was intended to construct a rock dike to protect the east shoreline of Freshwater Bayou Canal.	3B
CWPPRA	Little Vermilion Bay Sediment Trapping	TV-0012	TE	NOAA	VERMILION, IBERIA	441	N/A	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-0013-A	HR	NRCS	VERMILION, IBERIA	160	N/A	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 SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
CWPPRA	Marsh Island Hydrologic Restoration	TV-0014	HR	USACE	IBERIA	408	N/A	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-0015	TE, VP	NOAA	ST MARY	1999	N/A	2005	$1,653,792	The objective of the project is to induce sedimentation to create emergent vegetated wetlands. This was achieved by constructing wetland terraces, thereby reducing wave fetch. Distributary channels were dredged to deliver water and sediment to the project area.	3B
CWPPRA	Cheniere Au Tigre Sediment Trapping Demonstration	TV-0016	SNT	NRCS	VERMILION	N/A	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-0017	SP	NRCS	VERMILION	1496	N/A	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-0018	TE	NOAA	IBERIA	52	N/A	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-0019	SP	USACE	IBERIA	278	N/A	Transferred	$30,227	The goal of the project is to create marsh to restore land-bridge separating Weeks Bay and GIWW. In 2013, the CWPPRA Task Force transferred implementation of the project to parish stakeholders.	3B
CWPPRA	Bayou Sale Shoreline Protection (Deauthorized)	TV-0020	SP	NRCS	ST MARY	131	N/A	Deauthorized	$32,103,020	The goal of the project was to protect an eroding shoreline with approx 35,776 feet of rock dike shoreline protection. The project was deauthorized by the CWPPRA Task Force in 2014.	3B
CWPPRA	East Marsh Island Marsh Creation	TV-0021	MC	EPA	IBERIA	1159	N/A	2010	$21,215,936	This project created approximately 362 acres of sustainable marsh on East Marsh Island in Iberia Parish using 3.8 million cubic yards of sediment dredged from East Cote Blanche Bay. Through the use of approximately $5 million in unused construction funds, over 500 acres of additional marsh was created/nourished.	3B
CWPPRA	Cole's Bayou Marsh Creation	TV-0063	MC	NOAA	VERMILION	398	N/A	2019	$24,930,426	This project involves the creation of 365 acres and nourishment of 53 acres of brackish marsh east of Freshwater Bayou Canal in Vermilion Parish using sediment dredged from Vermilion Bay, and the installation of a series of culverts and dredging a portion of Cole's Bayou to increase freshwater and sediment inflow into interior wetlands throughout the project area. Half of the marsh creation acres would be planted after construction.	3B
FEDERAL	Lake Pontchartrain Hurricane Mitigation Project	HPL-MIT	SP	USACE	ST JOHN THE BAPTIST	600	N/A	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-0065	VP, FD, MM, SP, MC	USACE	ST BERNARD, ORLEANS	53700	N/A	Pending	$2,900,000,000	This project investigates an suite of restoration measures that are collectively intended to restore some of the ecosystem damaged by construction of MRGO.	1
FEDERAL	Lost Lake Vegetation Project	TE-0082	VP	USFWS	TERREBONNE	N/A	N/A	2011	$161,000	This coastal vegetative planting project was implemented to provide 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	TERREBONNE	4000	N/A	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	TERREBONNE	25	N/A	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	BH	FEMA	TERREBONNE	70	N/A	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	TERREBONNE	25	N/A	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	ST CHARLES	N/A	N/A	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	BH	FEMA	TERREBONNE	N/A	N/A	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	TERREBONNE	N/A	N/A	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	TERREBONNE	N/A	N/A	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	TERREBONNE	1259	N/A	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	IBERIA	N/A	N/A	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	ST MARY	N/A	N/A	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	CAMERON	N/A	N/A	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	CAMERON	N/A	N/A	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	ST BERNARD	N/A	N/A	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

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
FEMA	Lake Pontchartrain Debris Removal	N/A	N/A	N/A	JEFFERSON, ORLEANS, ST CHARLES, ST JOHN THE BAPTIST, ST TAMMANY, TANGIPAHOA	N/A	N/A	2010	$10,000,000	The goal of this project was to remove debris from aproximately 758 square miles of Lake Pontchartrain.	1
FEMA	Montegut Wetlands	PW-1728	MM	FEMA	TERREBONNE	N/A	N/A	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
GOMESA	Bayou Chene Floodgate	AT-0017	HP	BOEM	ST MARY	N/A	7	Pending	$80,000,000.00	The purpose of this project is to install a floodgate in Bayou Chene in St. Mary Parish to reduce backwater flooding from the Atchafalaya River during a Mississippi River high water event. The project will provide backwater flooding protection for portions of St. Mary, Terrebonne, Lafourche, Assumption, Lower St. Martin and Iberville parishes, reducing flood risk to communities and infrastructure and promoting resilience.	3B
GOMESA	Magnolia Ridge Levee Lift and Road	BA-0216	HP	BOEM	ST CHARLES	N/A	2.2	2021	$3,500,000.00	This project involves elevating approximately 11,800 linear feet the Magnolia Ridge Levee in St. Charles Parish to 7.5 ft NAVD88 at all locations except existing pipeline crossings; installing a 12-foot wide parallel access road with 20-foot wide vehicle turnarounds at various intervals; canal shaping as required; and seeding , fertilizing and mulching. The project is a component of Upper Barataria Risk Reduction System.	2
GOMESA	Levee Improvements for Gheens Community	BA-0218	HP	BOEM	LAFOURCHE	N/A	4	2021	$2,127,992.00	This project will improve approximately 21,000 linear feet of existing levee along the north side of LA 654 in Gheens in Lafourche Parish to an elevation of 7.0 ft NAVD88, and modification of the levee footprint to provide greater stability.	2
GOMESA	Davis Pond Upper Barataria Risk Reduction	BA-0219	HP	BOEM	ST CHARLES	N/A	2	Inactive	$6,500,000.00	This project consists of raising approximately two miles of the Davis Pond Diversion West Guide Levee to a uniform elevation of +7.5 ft NAVD88, constructing a T-Wall at the existing pipeline crossing, and conversion of the existing Tiday Exchange Structure to a permanent T-Wall.	2
GOMESA	Sunset Levee Upper Barataria Risk Reduction	BA-0220	HP	BOEM	ST CHARLES	N/A	Not Avail.	Pending	$3,500,000.00	This project will ascertain the current levee crown elevations within the Sunset Levee system in St. Charles Parish to address recent concerns of settlement; deficient crown areas will be restored to previous elevations or increased as much as proper stability will allow.	2
GOMESA	Pumping Capacity Improvements Phase I	BA-0221	OT	BOEM	ASCENSION	N/A	N/A	Pending	$65,000,000.00	This project involves construction of a pump station on the Mississippi River at Donaldsonville in Ascension Parish with a minimum pumping capacity of 1,000 cfs alongside the existing 500-cfs pump station, thereby tripling the capacity for fresh water entering Bayou Lafourche to combat saltwater intrusion and provide fresh drinking water to over 300,000 residents in Assumption, Ascension, Lafourche, and Terrebonne parishes.	2
GOMESA	NOV-NF Drainage Canal Relocation	BA-0222	HP	BOEM	PLAQUEMINES	N/A	N/A	N/A	$7,500,000.00	This project involves the relocation of existing drainage canals along Reach NF-06a.1 of the USACE NOV hurricane protection system in Plaquemines Parish.	2
GOMESA	Goose Bayou Tidal Protection	BA-0223	HP	N/A	JEFFERSON	N/A	2.61	N/A	$23,500,000		
GOMESA	Storm Surge Risk Reduction for Reach E-North (SLLD)	BA-0231	HP	N/A	LAFOURCHE	N/A	3.17	Pending	$1,500,000.00	Levee modifications and improvements to the Larose to Golden Meadow Hurricane Protection System.	2
GOMESA	Des Allemands FDA Pump Station Rehabilitation	BA-0232	HP	BOEM	LAFOURCHE	N/A	N/A	2020	$762,595.00	This project involves the replacement of the Des Allemand Pump Station in Lafourche Parish to support the operation of two 16-inch axial diesel driven pumps, providing increased flood protection for approximately 2,500 residences.	2
GOMESA	Section D Storm Surge and Risk Reduction	BA-0246	HP	N/A	LAFOURCHE	N/A	0.06	Pending	$500,000.00	Levee modifications and improvements to the Larose to Golden Meadow Hurricane Protection System.	2
GOMESA	Section D South Floodwall	BA-0247	HP	N/A	LAFOURCHE	N/A	0.13	2022	$1,800,000.00	Levee modifications and improvements to the Larose to Golden Meadow Hurricane Protection System.	2
GOMESA	Port Fourchon Shoreline Protection	BA-0251	SP	N/A	LAFOURCHE	12	N/A	Pending	$2,000,000.00	The goal of this project is to construct and repair shoreline protection features on the Caminada Headland to the south of Port Fourchon.	2
GOMESA	St. Tammany Storm Surge Risk Reduction	PO-0184	HP	Other	ST TAMMANY	N/A	Not Avail.	Pending	$9,000,000.00	This project involves supplemental design and construction of the feature(s) developed by the St. Tammany Parish Coastal Protection Study (PO-0167) to provide hurricane storm surge risk reduction for North Shore communities in St. Tammany Parish.	1
GOMESA	Hollywood Canal Closure Structure	TE-0147	HP	BOEM	LAFOURCHE	N/A	Not Avail.	Pending	$6,792,000.00	This project involves the construction of a closure structure in Hollywood Canal in Lafourche Parish to prevent high storm water elevations in the Hollywood Canal from causing backwater flooding of properties on the Lafourche side of LA 316 in the vicinity of the canal.	4
GOMESA	40 Arpent Canal Levee - Lockport Company Canal to Butch Hill Station	TE-0148	HP	BOEM	LAFOURCHE	N/A	4	2021	$10,386,418.00	This project involves the elevation of a portion of the 40 Arpent Levee system in Lafourche Parish to increase levee stability and prevent failures during high water events. The levee reach is part of the North Lafourche Levee District's Thibodaux District's (NLLD) Thibodaux - Lockport - Bayou Blue (TLBB) Flood Protection Project. This portion of the system, known as Element 2 of TLBB, protects areas south of Bayou Lafourche from Lockport to Raceland, totaling over 6,300 acres.	4
GOMESA	Grand Bayou Floodgate	TE-0151	HP	N/A	LAFOURCHE	N/A	0.1	2021	$20,000,000.00	This project is a component of the Morganza to the Gulf hurricane protection system, which is designed to provide 100-year protection levels to Terrebonne and parts of Lafourche parishes. Project features include levees tie-ins, floodwalls, and navigation structures across Grand Bayou in Lafourche Parish.	3A
GOMESA	Storm Surge Risk Reduction for US-90 at Bayou Folse	TE-0152	HP	BOEM	LAFOURCHE	N/A	0.3	2020	$1,804,148.00	This project involves the construction of approximately 1,500 linear feet of levee from Bayou Folse to the HWY 90 embankment, with a tie-in at HWY 90 that will allow the NLLD to raise existing levees in this drainage district to an elevation of 6.5 ft. NAVD88.	4
GOMESA	Falgout Canal Structure	TE-0155	HP	N/A	TERREBONNE	N/A	N/A	2019	$6,000,000.00	This project was designed to provide 100-year protection levels to Terrebonne and parts of Lafourches parishes. The project involved construction of a 40-ft-wide floodgate across Falgout Canal along with approximately 700 ft of sheet pile floodwall (elevation +18 ft NAVD88) and associated levee tie-ins connecting the Reach B Falgout Canal South and North levee tie-ins of the Morganza to the Gulf Hurricane Risk Reduction System.	3A
GOMESA	Elliot Jones Pump Station	TE-0159	HP	N/A	TERREBONNE	N/A	0.08	Pending	$12,715,005.00	Flood damage risk reduction measures and levee tie-ins that benefit the community of Gibson in Terrebonne Parish.	3A
GOMESA	Reach E Levee	TE-0167	HP	N/A	TERREBONNE	N/A	3.4	Pending	$1,000,000.00	Construction of Levee improvements and other features along Reach E of the Morganza to the Gulf System.	3A
HSDRRS	West Bank and Vicinity	BA-0066	HP	USACE	JEFFERSON, ORLEANS, PLAQUEMINES, ST CHARLES	N/A	76	2019	$4,304,525,784	This project provides 100-year protection levels to the Greater New Orleans area on the west side of the Mississippi River in St. Charles, Jefferson, Orleans and Plaquemines Parishes through rehabilitation or new construction of over 70 miles of levees and structures.	2
HSDRRS	New Orleans to Venice	BA-0067	HP	USACE	PLAQUEMINES	N/A	58	Pending	$1,301,523,760	The NOV project consists of 20 areas of work covered by projects NOV 1-2, NOV 5-16, NOV-NF-W- 4 to 6, and Taskforce Guardian (TFG) Continuing Projects P14 and P17 that includes the section of the Plaquemines Parish Hurricane Protection System.	1,2
HSDRRS	Grand Isle and Vicinity	BA-0073	SP	USACE	JEFFERSON	N/A	Not Available	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-0074	HP	USACE	JEFFERSON, ORLEANS, PLAQUEMINES, ST CHARLES	N/A	N/A	2014	$340,000,000	This project consists of additions 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-0109	OT	USACE	JEFFERSON, LAFOURCHE	1540	N/A	2021	$126,000,000	This suite of projects provides mitigation for USACE impacts during construction of the West Bank and Vicinity (WBV) Hurricane Storm Damage Risk Reduction System (HSDRRS), and involves the restoration of approximately 1,540 acres of Bottomland Hardwood, Marsh, and Swamp in the Barataria Basin.	2
HSDRRS	Risk Reduction- Barataria Basin Landbridge	BA-0148	MC, HP	USACE	JEFFERSON	223	N/A	Inactive	$10,100,000	USACE project, 100% federally funded by the US 4th Supplemental Appropriations as Hurricane Risk Reduction, consisting of approx. 101 acres of marsh creation, 122 acres of nourishment and a 14,130 ft earthen containment dike on the south shore of the Pen.	2
HSDRRS	Previously Authorized Mitigation WBV	BA-0154	MM, VP, PP	USACE	JEFFERSON, ST. CHARLES	1217	N/A	2021	$11,000,000	This suite of USACE projects is 100% federally funded and provides mitigation for impacts during construction of the West Bank and Vicinity (WBV) Pre-Katrina (2005) Hurricane protection projects, and involves the restoration of approximately 1,217 acres of swamp and bottomland hardwood habitats in the Barataria Basin.	2

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
HSDRRS	Plaquemines TFU Mitigation - Braithwaite to Scarsdale - Big Mar	BA-0156	MC	USACE	PLAQUEMINES	24	N/A	Inactive	$4,326,376	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. Additionally, 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-0158	MC	USACE	PLAQUEMINES	230	N/A	Pending	$14,500,000	This suite of projects provides mitigation for USACE impacts incurred during construction of the New Orleans to Venice (NOV) Plaquemines Non-Federal Levee protection projects, and involves the restoration of approximately 230 acres of Bottomland Hardwood, Marsh, and Swamp in the Barataria Basin.	2, 1
HSDRRS	New Orleans to Venice Mitigation - Federal	BA-0159	MC	USACE	PLAQUEMINES	303	N/A	Pending	$30,000,000	This suite of projects provides mitigation for USACE impacts incurred during construction of the New Orleans to Venice (NOV) Plaquemines Non-Federal Levee protection projects, and involves the restoration of approximately 303 acres of Bottomland Hardwood, Marsh, and Swamp in the Barataria Basin.	2, 1
HSDRRS	Upper Barataria Basin Flood Management	BA-0211	HP	USACE	ASCENSION, ASSUMPTION, LAFOURCHE, ST CHARLES, ST JAMES, ST JOHN THE BAPTIST	N/A	N/A	N/A	$3,000,000	This study will investigate alternatives to address flood risk from tidal surges, coastal storms and heavy rainfall in the area between Bayou Lafourche and the Mississippi River System. The study will evaluate a range of structural and nonstructural options to regulate upper basin stages and storage capabilities. Possible solutions include levees and floodwalls, conveyance channels, flood gates, tidal exchange structures, and pumping stations.	2
HSDRRS	WBV Risk Reduction	BA-0212	HP	USACE	JEFFERSON, ST CHARLES	N/A	N/A	N/A	$3,000,000	This study seeks to determine if it the work necessary to sustain the 1% level of risk reduction is technically feasible, environmentally acceptable, and economically justified.	1
HSDRRS	Risk Reduction Via Modification to the Caernarvon Freshwater Diversion	BS-0003-B	DI	USACE	PLAQUEMINES	65	N/A	Pending/On Hold	$10,100,000	USACE Hurricane Risk Reduction project, 100% federally funded by the US 4th Supplemental Appropriations, to redirect fresh sediment-laden water from the Caernarvon Diversion into the marsh north of Lake Lery to halt and reverse marsh deterioration.	1
HSDRRS	Lake Pontchartrain & Vicinity, Lake Borgne Surge Barrier LPV-IHNC-02	PO-0055	HP	USACE	ORLEANS, ST BERNARD	N/A	2	2013	$1,134,000,000	This project constructed a Hurricane Surge Barrier across the tip of Lake Borgne in Orleans and St. Bernard parishes connecting the Mississippi River Gulf Outlet (MRGO) levees south of Bayou Bienvenue with the Gulf Intracoastal Waterway (GIWW) levees East of Michoud Canal, with floodgates at Bayou Bienvenue and GIWW.	1
HSDRRS	SELA	PO-0057	HP	USACE	JEFFERSON, ORLEANS, PLAQUEMINES, ST BERNARD, ST CHARLES, ST TAMMANY	N/A	N/A	Pending	$1,170,974,586	This project involves multiple measures to reduces damages due to rainfall flooding in Jefferson, Orleans, Plaquemines, St. Bernard, St. Charles, and St. Tammany parishes, including increases in pump station capacity and improvements in surface and sub-surface drainage features.	1,2
HSDRRS	Permanent Closure of Canals and Pumps	PO-0060	HP	USACE	JEFFERSON, ORLEANS	N/A	0.34	2018	$614,800,000	In June 2006, Congress passed Public Law 109-234 giving the USACE authorization and appropriations to reduce storm surge risk to Orleans and Jefferson Parish by the design and construction of permanent protection at three outfall canals. The project involved the modification of the 17th Street, Orleans Avenue, and London Avenue drainage canals and installation of pumps and closure structures at or near the lakefront.	1
HSDRRS	West Shore Lake Pontchartrain	PO-0062	HP	USACE	ST CHARLES, ST JOHN THE BAPTIST, ST JAMES	N/A	18.5	Pending	$760,000,000	This project will provide hurricane protection for communities along the east bank of the Mississippi River at the western shore of Lake Pontchartrain in St. Charles, St. James, and St. John the Baptist parishes. The project will consist of approximately 18 miles of earthen levees and floodwalls, four floodgates, two drainage structures, and four pump stations along the alignment. Additionally, an earthen berm as well as non-structural protection measures will be included for communities in St. James Parish.	1
HSDRRS	Lake Pontchartrain and Vicinity	PO-0063	HP	USACE	JEFFERSON, ORLEANS, PLAQUEMINES, ST BERNARD, ST CHARLES	N/A	128	2010, 2017	$3,852,000,000	This project is designed to provide 100-year protection levels to the Greater New Orleans area on the east side of the Mississippi River in St. Charles, Jefferson, Orleans and St. Bernard parishes through rehabilitation or new construction of over 150 miles of the levees and structures.	1
HSDRRS	Lake Pontchartrain & Vicinity, Seabrook Lock LPV-IHNC-01	PO-0064	HP	USACE	ORLEANS	N/A	0.5	2012	$157,156,414	This project constructed a gate closure structure across the Industrial Canal in Orleans Parish 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-0121	MC	USACE	ORLEANS, ST TAMMANY	1089	N/A	2020	$85,000,000	This USACE mitigation project consists of multiple component projects located throughout southeast Louisiana that are intended to mitigate for impacts during construction of the Lake Pontchartrain and Vicinity (LPV) Hurricane Storm Damage Risk Reduction System (HSDRRS). The various projects comprise a cumulative total of approximately 1,089 acres of restored or mitigated bottomland hardwood forest, marsh, and swamp habitat.	1
HSDRRS	LPV Task Force Guardian Mitigation- Bayou Sauvage	PO-0145	MM, VP	USACE	ORLEANS	191	N/A	2015	$1,960,497	The project provided mitigation for the Bayou Sauvage National Wildlife Refuge in Orleans Parish as required for impacts from Lake Pontchartrain and Vicinity (LPV) Hurricane Storm Damage Risk Reduction System (HSDRRS). The project consists of the restoration of 145 acres of habitat, including 142 acres of intermediate marsh restoration.	1
HSDRRS	Previously Authorized Mitigation LPV- Manchac	PO-0146	MC, SP	USACE	ST JOHN THE BAPTIST	110	N/A	2016	$40,989,172	The project provided 110 acres of marsh in St. John the Baptist Parish as required mitigation for impacts from Lake Pontchartrain and Vicinity (LPV) Hurricane Storm Damage Risk Reduction System (HSDRRS). The project increased the height of existing segmented breakwaters on the northwest rim of Lake Pontchartrain to the previously designed elevation, filled gaps to connect the breakwaters, and filled the area between the breakwaters and eroding shoreline with dredged sediment from Lake Pontchartrain to create marsh.	1
HSDRRS	LPV Risk Reduction	PO-0182	HP	USACE	ORLEANS, ST CHARLES	N/A	N/A	N/A	$3,000,000	This study seeks to determine if it the work necessary to sustain the 1% level of risk reduction is technically feasible, environmentally acceptable, and economically justified.	1
HSDRRS	South Central Coastal Plan	TV-0054	HP	USACE	IBERIA, ST MARTIN, ST MARY	N/A	N/A	N/A	$3,000,000	This project involves the study and design of multiple hurricane protection features for coastal communities in St. Martin, Iberia, and St. Mary Parishes.	3B
LOSCO	OPA Mosquito Bay	TE-0109	MC	N/A	PLAQUEMINES	14	N/A	2015	$1,224,900	This project provided supplemental funding to create an additional 8-20 acres of salt marsh habitat in conjunction with the Grand Liard Marsh and Creation (BA-0068) project.	2
NFWF	Caminada Headland Beach and Dune Restoration Increment 2	BA-0143	BH	N/A	JEFFERSON, LAFOURCHE	489	N/A	2016	$147,063,587	This project restored 489 acres of beach and dune habitat on more than seven miles of Caminada Headland in Jefferson and Lafourche parishes through the direct placement of approximately 5.4 million cubic yards of sandy material from Ship Shoal (an offshore borrow source).	2
NFWF	Mid-Barataria Diversion	BA-0153	SD	N/A	JEFFERSON, PLAQUEMINES	30,000	N/A	Pending	$1,410,708,675	This project seeks to restore the natural deltaic processes along the Mississippi River north of Ironton near River Mile 60.7 in Plaquemines Parish. When in operation, the project 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 is expected to build and nourish up to 30,000 acres of critical coastal wetlands over a 50-year period.	2
NFWF	Lower Barataria Diversion	BA-0163	SD	N/A	PLAQUEMINES	Not Avail.	N/A	N/A	Not Avail.	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	Grand Bayou Ridge Restoration	BA-0256	RR	N/A	PLAQUEMINES	Not Avail.	N/A	Pending	$1,359,728	Restoration of approximately 48,100 feet of historic ridge to an elevation of 5 feet NAVD88 to provide coastal upland habitat, restore natural hydrology, and provide wave and storm surge attenuation along Grand Bayou.	2
NFWF	Lower Breton Diversion	BS-0023	SD	N/A	PLAQUEMINES	Not Avail.	N/A	N/A	Not Avail.	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	Mid Breton Diversion	BS-0030	SD	N/A	PLAQUEMINES	In Development	N/A	Pending	$798,609,888	This project involves the construction of a sediment Diversion with a maximum capacity of 35,000 cfs on the east bank of the Mississippi River in the mid-Breton Basin in upper Plaquemines Parish. When in operation, the project would transfer sediment-laden water from the Mississippi River through a self-contained channel before outfalling into the basin.	2

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
NFWF	Sediment Diversion Implemenation and Program Management	LA-0276	DI	N/A	JEFFERSON, LAFOURCHE, PLAQUEMINES, St. BERNARD	N/A	N/A	N/A	In Development	This project will include all work involved in the development of the NFWF Diversion Management program. Program management will be performed by CPRA personnel and contracted support staff and includes the development of full engineering and design scopes for both the Mid-Barataria (BA-0153) and Mid-Breton (BS-0030) diversions.	1, 2
NFWF	East Orleans Landbridge Restoration	PO-0191	MC	N/A	ORLEANS	1563	N/A	Pending	$1,000,000.00	Partnership with the City of New Orleans to create/nourish marsh along the New Orleans Land Bridge.	1
NFWF	Increase Atchafalaya Flow to Easter Terrebonne	TE-0110	SD	N/A	TERREBONNE, ST MARY	14000	N/A	Pending	$415,215,000	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 in St. Mary and Terrebonne parishes.	3A, 3B
NFWF	East Timbalier Island Restoration	TE-0118	BH	N/A	LAFOURCHE	In Development	N/A	Inactive	$148,600,000	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
NFWF	Terrebonne Basin Barrier Island	TE-0143	BH	N/A	LAFOURCHE, TERREBONNE	1100	N/A	2022	$170,970,517	This project includes the engineering, design, and construction of approximately 1,100 acres beach, dune, and marsh habitat within the Terrebonne Basin barrier shoreline system using dredged material from Ship Shoal, and includes restoration efforts on West Belle Headland, Timbalier Island, and Trinity Island.	3A
NRDA	Atchafayala Delta WMA Boat Access Project	AT-0019	RU	N/A	ST MARY	N/A	N/A	2021	$920,450	This project involves dredging two locations in the Atchafalaya Delta in St. Mary Parish to enhance recreational access for hunters, anglers, and wildlife viewers to Breaux Pass, Cul-de-sac Pass, and many interior waterways and wetlands in the Atchafalaya Delta WMA. Dredged sediment will be beneficially used to enrich and nourish wetlands.	3B
NRDA	Atchafayala Delta WMA Campground Improvements	AT-0020	RU	N/A	ST MARY	N/A	N/A	2022	$4,207,807	This project includes improvements to the existing Wax Lake Outlet Campground in the Atchafalaya Delta WMA to enhance recreational opportunities for hunters, anglers, wildlife viewers, and campers by offering a safe, protected campsite that is accessible by boaters. Project features include bulkhead installation along the campground approximately 30 feet from the existing shoreline, sediment placement behind the bulkhead to restore some of the lost acreage of the campground, and jetty construction to stabilize the bank and bulkhead.	3B
NRDA	Cheniere Ronquille Barrier Island Restoration	BA-0076	BH, MC	NOAA	PLAQUEMINES	408	N/A	2018	$38,883,175	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-0111	BH	N/A	PLAQUEMINES	606	N/A	2017	$101,307,860	This project created 299 acres of marsh and 320 acres of dune and beach on the western lobe of Shell Island in Plaquemines Parish using 5.7 million cubic yards of sediment dredged from the Mississippi River and the Gulf of Mexico.	2
NRDA	Lake Hermitage Marsh Creation Increment 2	BA-0141	MC	N/A	PLAQUEMINES	101	N/A	2014	$7,222,162	This project was constructed as a component of the CWPPRA Lake Hermitage Marsh Creation (BA-0042) project and involved the construction 101 acres of marsh in Fill Site B of that project in Plaquemines Parish.	2
NRDA	West Grand Terre Beach Nourishment and Stabilization	BA-0197	BH	N/A	JEFFERSON	398	N/A	N/A	$102,009,216	This project involves the creation or restoration of up to 371 acres of beach and dune habitat along approximately 14,000 linear feet of shoreline and 160 acres of intertidal marsh habitat on West Grand Terre Island in Jefferson Parish, construction of rock revetment to protect the restored back barrier marsh, and construction of a gulfside rock revetment and spur to capture sand transported by longshore currents.	2
NRDA	Queen Bess Island Restoration	BA-0202	BH	N/A	JEFFERSON	36	N/A	2020	$18,710,000	This project restored colonial waterbird nesting habitat on Queen Bess Island in Jefferson Parish from its pre-project size of less than 5 acres of nesting habitat to approximately 36 acres using sediment from the Mississippi River. Rip rap was used to elevate the protective rock ring around the island and to construct breakwaters to provide calm waters for young birds. Almost 7 acres were dedicated to bare-ground nesters like terns and skimmers. Vegetative plantings will provide an optimal nesting substrate for species like brown pelicans and herons in future years.	2
NRDA	Barataria Basin Ridge and Marsh Creation - Spanish Pass Increment	BA-0203	MC	N/A	PLAQUEMINES	1670	N/A	Pending	$100,290,142	This project involves dredging sediment from the Mississippi River to restore 120 acres of earthen ridge and approximately 1,134 acres of marsh along Spanish Pass in Plaquemines Parish, a natural historic river tributary west of Venice, Louisiana.	2
NRDA	Large-Scale Barataria Marsh Creation	BA-0207	MC	NOAA	JEFFERSON, PLAQUEMINES	1163	N/A	Pending	$181,380,000	This project involves the creation of approximately 1,400 acres of marsh near the south shore of The Pen in Jefferson and Plaquemines parishes using sediment from the Alliance Anchorage and Willis Point Anchorage borrow areas. The project is an increment of the Large-Scale Marsh Creation Project Component E identified in the NRDA Draft Strategic Restoration Plan for the Barataria Basin.	2
NRDA	Bayou Segnette State Park Improvements	BA-0213	RU	N/A	JEFFERSON	N/A	N/A	Pending	$2,126,724	This project involves infrastructure improvements in Bayou Segnette State Park in Jefferson Parish, including upgrades to an existing boating area to improve access; upgrades to a playground to comply with ADA requirements; and repairs to road and parking areas damaged by repeated flooding.	2
NRDA	Grand Isle State Park Improvements	BA-0214	RU	N/A	JEFFERSON	N/A	N/A	Pending	$6,126,967	This project will provide improved fishing and recreational use for Grand Isle State Park in Jefferson Parish and will also provide protection of coastal, nearshore marine habitats, and inland infrastructure. Project features include upgrading the existing fishing pier and extension of the rock jetties on the east shore and extend the north end of the park.	4
NRDA	Grande Cheniere Ridge and Marsh Creation	BA-0240	MC	N/A	PLAQUEMINES	500	N/A	Pending	$65,000,000	The goal of this project is to create approximately 500 acres of marsh in the open water areas and nourish marsh along the eastern side of Bayou Grande Cheniere ridge in Plaquemines Parish using sediment from the Mississippi River, as well as create 12 acres of forested coastal ridge habitat.	2
NRDA	Rabbit Island Restoration Project	CS-0080	BH	N/A	CAMERON	102	N/A	2021	$16,440,000	The primary goal of the project is to restore bird habitat by dredging material from the Calcasieu Ship Channel and adding fill to the island along with constructing rock dikes and dunes.	4
NRDA	Rockefeller Piers and Signage	ME-0036	RU	N/A	CAMERON	N/A	N/A	2020	$690,000	This project includes recreation enhancements within the Rockefeller National Wildlife Refuge in Cameron Parish, including construction of new fishing piers and signage in Unit 4 within the Refuge for public use and recreations.	4
NRDA	Pass a Loutre Crevasses NRDA	MR-0169	RU	N/A	PLAQUEMINES	N/A	N/A	2020	$1,568,000	This project involves the construction of five crevasses in natural spoil banks along passes within the Pass-a-Loutre WMA to provide recreational hunters, fishermen, and non-consumptive users access to wetlands that are currently inaccessible by boat. The crevasses would also divert sediment-laden river water into shallow open ponds, enhancing habitat for wildlife and fisheries.	2
NRDA	Pass a Loutre Campgrounds NRDA	MR-0170	RU	N/A	PLAQUEMINES	N/A	N/A	2020	$1,624,000	This project involves improvements at five existing campgrounds in the Pass-a-Loutre WMA to enhance the experience of campground users and reduce ongoing erosion. Project features include new picnic tables, fire pit/barbeque areas, and docks at all campgrounds; bulkhead installation at two campgrounds; and dredged material placement at three other campgrounds to elevate the facilities above expected storm-surge inundation elevations.	2
NRDA	Bird's Foot Delta Hydro Restoration	MR-0173	HR	N/A	PLAQUEMINES	100000	N/A	Pending	$165,000,000	This project is being designed to restore the hydrology of the Mississippi River Bird's Foot Delta by dredging Pass-a-Loutre, South Pass, and/or Southeast Pass in order to reconnect Mississippi River with the marshes of the eastern and central Bird's Foot Delta. This will promote sediment accretion in the areas surrounding the passes via crevasses, creating and enhancing tidal wetlands, mudflats, fresh and brackish marsh, and submerged aquatic weed beds.	1
NRDA	Golden Triangle Marsh Creation	PO-0163	MC	N/A	ORLEANS, ST BERNARD	774	N/A	Pending	$54,347,733	This project consists of the creation of approximately 600 acres of marsh within the Golden Triangle Marsh system in Orleans and St. Bernard parishes using sediment dredged from Lake Borgne.	1
NRDA	Biloxi Marsh Living Shoreline Project	PO-0174	OR	N/A	ST BERNARD	145	N/A	Pending	$69,820,460	The project involves the construction a living breakwater structure by mechanically placing a manufactured structure, or suite of structures, off the shoreline of Eloi Bay and Eloi Point, near the mouth of Bayou La Loutre in St. Bernard Parish.	1
NRDA	Bayou La Loutre Ridge Restoration and Marsh Creation	PO-0178	MC	N/A	ST BERNARD	167	N/A	Pending	$31,012,138	The proposed project will create approximately 5.46 miles of ridge along the bank of Bayou La Loutre and create or nourish approximately 421 acres of marsh south of Lena Lagoon using sediment dredged from Lake Borgne. The ridge feature will provide 24.4 acres of Live Oak/Hackberry Maritime forest habitat and will include herbaceous and woody plantings with smooth cord plantings along the toe.	1
NRDA	Lake Borgne Marsh Creation - Increment One	PO-0180	MC	N/A	ST BERNARD	2769	N/A	Pending	$114,642,153	This project will create approximately 1,548 acres of marsh along approximately four miles of the southern rim of Lake Borgne in St. Bernard Parish (extending from Shell Beach to Lena Lagoon) using sediment dredged from Lake Borgne.	1
NRDA	Isle Au Pitre Restoration	PO-0190	BH	N/A	ST BERNARD	50	N/A	Inactive	$36,646,580	This project will restore colonial water bird nesting habitat on Isle au Pitre in St. Bernard Parish. The island is currently 40 acres in size, but suitable nesting habitat on the island has been reduced to less than 2 acres. This project will enhance nesting conditions on the existing island by elevating portions of the island with dredged sediment and planting suitable vegetation for nesting brown pelicans and wading birds.	1

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
NRDA	Chandeleur Island Restoration	PO-0199	BH	USFWS	ST BERNARD	N/A	N/A	Pending	$8,000,000	The Chandeleur Island Restoration Project (PO-0199) is currently under engineering and design. This project is funded by the Region-wide Trustee Implementation Group. To restore a portion of the Chandeleur Island chain for the benefit of birds, marine submerged aquatic vegetation, sea turtles, and other living coastal marine resources. Sediment will be dredged to restore the islands and enhance select marine nesting and wintering habitats.	1
NRDA	Middle Pearl River Wildlife Management Area Boat Launch	PR-0001	RU	N/A	ST TAMMANY	N/A	N/A	2021	$775,000	This project involves improvements to the existing boat launch on the west bank of the Middle Pearl River in the Pearl River WMA in St. Tammany Parish to enhance access to waterborne recreational opportunities within the WMA. Project features include an access road for boat ramp traffic from LA Hwy 90, a crushed limestone parking area, a concrete boat launch ramp, and three floating docks.	1
NRDA	NRDA Caillou Lake Headlands	TE-0100	BH	N/A	TERREBONNE	954	N/A	2018	$118,340,766	This project involves the creation of 170 acres of marsh habitat and 917 acres of dune and beach habitat on Whiskey Island in Terrebonne Parish using material dredged from Ship Shoal to restore the island's geomorphologic form and ecologic function.	3A
NRDA	Terrebonne Basin Ridge and Marsh Creation - Bayou Terrebonne Increment	TE-0139	MC	N/A	TERREBONNE	1510	N/A	Pending	$162,345,000	The Bayou Terrebonne Increment of the Terrebonne Basin Ridge and Marsh Creation Project is located along the east bank of Bayou Terrebonne in western Terrebonne Parish and involves the creation of 126 acres of ridge using sediment dredged from Bayou Terrebonne and 1,370 acres of marsh using sediment dredged from Terrebonne Bay. This increment is part of large-scale restoration strategy for the Terrebonne Basin that will rebuild ridge and intertidal marsh habitat that has degraded due, in part, to the DWH oil spill.	3A
NRDA	Island Road Fishing Piers	TE-0144	RU	N/A	TERREBONNE	N/A	N/A	2020	$2,400,193	This project involves the construction of five small parking lots, or vehicle pull overs, with adjoining fishing piers along Island Road in the Pointe-aux-Chenes WMA in Terrebonne Parish.	4
NRDA	Pointe-aux-Chene WMA Enhancement	TE-0146	RU	N/A	TERREBONNE	N/A	N/A	Pending	$5,000,000	The project is proposing to develop four recreational enhancements within the Pointe aux Chenes WMA, including pirogue pullovers, a pirogue launch, fishing piers, and renovation of the existing Island Road boat launch.	4
NRDA	Terrebonne HNC Island Restoration	TE-0165	BH	N/A	TERREBONNE	50	N/A	Pending	$23,100,000	The project intends to use dredged sediment to restore the island to approximately 50 acres. The existing rock ring will be enhanced and enlarged to a 50-acre area to serve as containment for dredged sediment and provide shoreline protection for the island. The restored island footprint and increased elevation will be designed to increase the abundance and quality of nesting habitat for a number of colonial nesting waterbirds including Brown Pelicans, wading birds, terns, and Laughing Gulls.	3A
NRDA	Bayou Dularge Ridge and Marsh Creation Project	TE-0170	MC	N/A	TERREBONNE	530	N/A	Pending	$65,462,980	This project is designed to restore between 530 and 700 acres of marsh using hydraulically dredged sediment from Lake Mechant. It is also desinged to restore between 15,925 linear feet (35 acres) and 27,875 linear of ridge along Bayou Dularge.	3A
NRDA	Cypremort Point State Park Improvements	TV-0081	RU	N/A	IBERIA	N/A	N/A	Pending	$4,477,338	This project involves the construction of multiple features in Cypremort Point State Park in St. Mary Parish to enhance recreational and educational opportunities, including reinforcing the existing rock embankment on Quintana Canal; restoring the public beach; installing a new marsh boardwalk; repairing and upgrading existing roads and parking areas damaged by repeated flooding; and constructing a new RV campground with up to 30 pull-through sites.	3B
OTHER	Lake Pontchartrain Mitigation Project	HPL-MIT	SP	N/A	ST JOHN THE BAPTIST	600	N/A	1996	$2,222,892	This project consisted of a near-shore, segmented brakwater 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
OTHER	Coastal Wetlands Public Outreach	N/A	OT	N/A	N/A	N/A	N/A	N/A	$400,000	The DNR Public Information Office provides a cariety of printed materials, educational videos and cds, fact sheets, website information, and a traveling wetlands exhibit for the public. Other department outreach efforts include participating in conferences, workshops, civic events, and school activities. Much of the agency's educational outreach is in partnership with the Breaux Act Task Force committees and the America's WETLAND campaign. As a result of workingw ith several noted authors, writers and reporters, the Public Information Office has contributed to the publishing of hundreds of national articles over the past years. To contact the Louisiana Department of Natural Resources' Public Information Office online----info@dnr.state.la.us.	COASTWIDE
RESTORE	Paradis Canal Gate	BA-0209	HP	N/A	ST CHARLES	N/A	N/A	2022	$5,367,874	Construction of the Paradis Canal Gate, part of the St. Charles Parish West Bank Hurricane Protection Levee and the larger Upper Barataria Risk Reduction System, will provide flood protection for the residents, businesses, and industries of the west bank of St. Charles Parish. CPRA, as the Grantee of this award, will provide general oversight to St. Charles Parish, as the sub-recipient in charge of construction.	2
RESTORE	Lake Lery Marsh Creation (Phase 2)	BS-0034	MC	N/A	ST BERNARD	39	N/A	Pending	$3,081,000	This project involves creation or nourishment of 39 acres of marsh near Lake Lery in St. Bernard Parish and is part of an ongoing phased approach to restore and protect the Lake Lery area. The project is being implemented with RESTORE Parish Match funding through a cooperative agreement between CPRA and the St. Bernard Parish Government.	1
RESTORE	Calcasieu Ship Channel Salinity Control Measures	CS-0065	HR	N/A	CALCASIEU, CAMERON	8000	N/A	Deauthorized	$263,751,502	This project consists of the construction of multiple features along or near the Calcasieu Ship Channel to manage salinity introduction into adjacent water bodies through the channel and reduce the rate of wetland loss in the surrounding wetlands. 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
RESTORE	Calcasieu-Sabine Large Scale Marsh and Hydrologic Restoration	CS-0087	MC	N/A	CAMERON	65000	N/A	N/A	$263,936,388	The Calcasieu-Sabine Large-Scale Marsh and Hydrologic Restoration Project includes 1) large-scale marsh drainage improvements that reduce the flood stress that is currently driving marsh vulnerability and 2) large-scale marsh creation and nourishment that increases elevation capital in some of the most degraded areas of the 65,000 acre Cameron Creole Watershed.	4
RESTORE	Rockefeller Refuge Shoreline Stabilization Project	ME-0035	SP	N/A	CAMERON	N/A	N/A	N/A	$8,671,531	As a continuation of the authorized CWPPRA ME-0018 project, which provides 14,854 linear feet (2.81 miles) of reef breakwater from Joseph Harbor westward, Rockefeller will increase the reef breakwater construction by approximately an additional 6,000 linear feet (1.14 miles).	2
RESTORE	Lowermost Mississippi River Management Program	MR-0168	OT	USFWS	ASCENSION, EAST BATON ROUGE, IBERVILLE	N/A	N/A	N/A	$9,300,000	The Lowermost Mississippi River Management Program (LMRMP) is a large-scale planning study conducted in partnership between CPRA and the USACE. The study builds upon the LCA Mississippi River Hydrodynamic and Delta Management Study and other river-related studies and consists of five technical elements: expansion of Mississippi River models, subsidence investigations, storm surge modeling, geomorphology of Lower Mississippi River lateral bars, and dredging alternatives. The goal of the study is to build the technical knowledge base for a more holistic management scheme for the lower river that encompasses coastal restoration, flood risk management, and navigation needs.	1, 2, 3A
RESTORE	River Reintroduction into Maurepas Swamp	PO-0029	FD	N/A	ASCENSION, ST JAMES, ST JOHN THE BAPTIST	45126	N/A	Pending	$199,854,326	This project is being designed to convey up to 2,000 cubic feet per second of water from the Mississippi River approximately 5 miles north via Hope Canal into the Maurepas Swamp (Ascension, Saint James, and Saint John The Baptist parishes). The specific objectives of the project are to: restore natural swamp hydrology; increase sediment and nutrient loading to the project area; increase substrate accretion; retain and increase existing areas of swamp vegetation, including over story cover; and reduce salinty levels.	1
RESTORE	Manchac Landbridge	PO-0183	SP	N/A	TANGIPAHOA	N/A	N/A	N/A	$3,671,137	This project consists of updating engineering and design for the Manchac Landbridge Shoreline Protection project and construction of approximately 7,553 linear feet of rock breakwater along the Lake Pontchartrain shoreline.	1
RESTORE	Houma Navigation Canal Lock Complex	TE-0113	HR	N/A	TERREBONNE	In Development	N/A	Pending	$357,784,732	This project is a part of the Morganza to the Gulf of Mexico Hurricane Protection Project (TE-0064). The structure will provide storm surge protection, increase freshwater distribution, and provide navigation along the Houma Navigation Canal in Terrebonne Parish.	3A
RESTORE	Grand Bayou Freshwater Reintroduction	TE-0145	HR	N/A	LAFOURCHE	N/A	N/A	N/A	$874,533	This project consists of completing the hydrologic modeling, engineering, design, and permitting acivities to advance Grand Bayou toward implementation.	3A
RESTORE	Freshwater Bayou Canal Shoreline Protection	TV-0079	SP	N/A	VERMILION	N/A	N/A	N/A	$5,340,661	As part of the Parish Matching Program, the Freshwater Bayou Canal Shoreline Protection Project (Freshwater Bayou) proposed by Vermilion Parish Police Jury (VPPJ) is one of six projects selected by the CPRA for implementation to contribute to the overall economic and ecological recovery of the Gulf Coast. The main purpose of the project is to provide shoreline protection by constructing approximately 10,600-linear feet of foreshore rock dike along the easter bank of Freshwater Bayou Canal to prevent further deterioration of shoreline areas and existing adjacent marsh. This project consists of design, permitting, bidding, and construction of a foreshore rock dike to stabilize and protect the Freshwater Bayou.	1
SECTION 204/1135	MRGO, Breton Island Restoration, Mile -2.3 to 4.0	N/A	DM	USACE	PLAQUEMINES	26	N/A	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	N/A	DM	USACE	PLAQUEMINES	N/A	N/A	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

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
SECTION 204/1135	Mississippi River Gulf Outlet Berm, Mile 14 to 11	N/A	DM	USACE	ST BERNARD	50	N/A	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)	N/A	DM	USACE	ST BERNARD	50	N/A	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)	N/A	DM	USACE	ST BERNARD	113	N/A	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	N/A	DM	USACE	JEFFERSON	125	N/A	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	N/A	DM	USACE	JEFFERSON	80	N/A	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	N/A	DM	USACE	CAMERON	480	N/A	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
SECTION 204/1135	Wine Island Restoration	DSR-81558	DM	USACE	TERREBONNE	37	N/A	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)	N/A	DM	USACE	JEFFERSON	115	N/A	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	N/A	DM	USACE	TERREBONNE	50	N/A	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	N/A	MC, DM	USACE	CAMERON	315	N/A	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	Alexandria to the Gulf	AT-0012	OT	N/A	RAPIDES	N/A	N/A	N/A	$970,000	This feasibility study is intended to 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
STATE	Atchafalaya Basin Natural Resources Inventory and Assessment	AT-0013	OT	N/A	ST MARY, IBERIA, ST MARTIN	N/A	N/A	N/A	$1,450,000	This project assesses and inventories the natural resources in the Atchafalaya Swamp.	3B
STATE	East Grand Lake Upper Region	AT-0022	HR	N/A	IBERVILLE	5560	N/A	N/A	$1,889,120	This project was initially approved in the FY 2010 Annual Plan process as "Development of a Complete and Specific Plan to Address Water Quality and Sedimentation in East Grand Lake/Flat Lake/Upper Belle River Management Units Through Modification of Water & Sediment Inputs." The project was intended as a first step toward realigning water flow patterns and strategically redirecting sediment in the East Grand Lake (EGL) project area, and the Upper Region was chosen as a starting point.	3B
STATE	Henderson Lake Water Management Spoil	AT-0023	HR	N/A	ST LANDRY, ST MARTIN	N/A	N/A	N/A	$500,000	The Henderson Lake Water Management Unit Spoil Bank Gapping Program will address restricted water flows north of Henderson Lake. The restricted flows contribute to water quality issues in the swamps, the lake, and also inhibit flood flows south to the lower basin. The program will help to reestablish more natural North/South water flows present in the basin. Due to the importance of improving water quality and hydrologic regime, the ABP TAG identified this project as a top priority in the FY 2021 Annual Plan process.	3B
STATE	Flat Lake Sediment Management Study	AT-0024		N/A	ST MARTIN	N/A	N/A	N/A	$300,000	Sedimentation in Flat Lake is detrimental to the Atchafalaya Basin ecosystem's health. Those sediments could be utilized for Master Plan projects. A sediment management study is needed to analyze lakebed sediments to determine feasibility of a potential coastal restoration project.	3B
STATE	Naomi Siphon Diversion	BA-0003	FD	N/A	PLAQUEMINES, JEFFERSON	8200	N/A	1992	$9,602,381	This project involved 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-0004	FD	N/A	PLAQUEMINES	9200	N/A	1992	$9,845,693	This project involved 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-0005-B	SP, DM	N/A	JEFFERSON	145	N/A	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-0005-C	SP	N/A	ST CHARLES	130	N/A	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-0015-X1	SP	N/A	ST CHARLES	2035	N/A	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-0016	SP	N/A	JEFFERSON	88	N/A	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	Bayou Lafourche Freshwater Introduction	BA-0025	FD	N/A	ASCENSION, ASSUMPTION	Not Available	N/A	2011	$20,000,000	The Mississippi River diversion into Bayou Lafourche will restore coastal marshes and provide drinking water to over 300,000 residents. This project funded the dredging of the fist 6.2 miles of the bayou to accommodate a proposed increased flow of 1,000 cfs.	2
STATE	Plaquemines Parish - Southeast Louisiana Strategic Restoration	BA-0046-SF	MC	N/A	PLAQUEMINES	N/A	N/A	N/A	$4,500,000	This project provided State funding to supplement a Plaqumines Parish dredging design project.	2
STATE	Jean Lafitte Tidal Protection	BA-0075-1	HP	N/A	JEFFERSON	N/A	2.9	2020	$30,441,108	This project will provide flood protection improvements for the town of Jean Lafitte in Jefferson Parish by raising 15,840 linear feet of existing earthen levee and constructing approximately 7,600 linear feet of concrete capped, steel sheet pile floodwall and flood gates.	2
STATE	Rosethorne Tidal Protection	BA-0075-2	HP	N/A	JEFFERSON	N/A	5.1	Pending	$24,930,787	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
STATE	St. Charles West Bank Hurricane Protection Levee	BA-0085	HP	N/A	ST CHARLES	N/A	9	2019	$14,500,000	This project is a system of levees, drainage structures and pump stations being constructed to provide flood protection to the communities of St. Charles Parish on the West Bank of the Mississippi River.	2

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
STATE	Bayou LaFourche Salt Water Control Structure	BA-0091	OT	N/A	LAFOURCHE	N/A	N/A	Inactive	$4,890,000	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 East End Breakwater/ Jetty Design	BA-0092	SP	N/A	JEFFERSON	N/A	N/A	N/A	$1,000,000	This project provided funding for the design of breakwaters/jetties work for Grand Isle State Park.	2
STATE	Donaldsonville to the Gulf of Mexico Hurricane Protection	BA-0115	HP	USACE	ASSUMPTION, JEFFERSON, LAFOURCHE, ST JOHN THE BAPTIST, ST CHARLES, ST JAMES	N/A	Not Available	Pending/On Hold	$10,269,987	The purpose of the project is to reduce the risk of flooding from coastal storm surge and rainfall to prevent further economix losses and environmental damage in the Barataria Basin. The project is currently in its feasibility study phase, during which various alternatives to areducing storm surge are being examined, the adequacy of the existing drainage system is being assessed, and cultural, environmental, and recreational issues are being identified. The scope is to study various alternatives that will provide flood protection from tidal, hurricane surges, and heavy rainfall events, detemine the adequacy of the existing interior drainage systems and evaluate whether additional pumping capacity is required, and analyze recreational, cultural, and environmental needs.	2
STATE	East Harvey Canal Interim Flood Protection	BA-0152	HP	N/A	JEFFERSON	Not Available	Not Available	2009	$4,000,000	This project involved installing a combination of sheet pile and earthen flood protection, ultimately to an elevation of 10.0 feet along the east side of the Harvey Canal in Jefferson Parish from the sector gate at Lapalco Boulevard to the existing levee at the west end.	2
STATE	Grand Isle-Fifi Island Breakwaters	BA-0168	SP	N/A	JEFFERSON	Not Available	N/A	2015	$6,000,000	The project constructed 1,450 feet of breakwaters and restored 1,450 feet of existing breakwaters along the southwestern portion of Fifi Island in Jefferson Parish to reduce erosion on Fifi Island and the bay side of Grand Isle to protect commercial and residential infrastructure, wetlands, and fisheries.	2
STATE	Kraemer Bayou Boeuf Levee Lift	BA-0169	HP	N/A	LAFOURCHE	N/A	6	2018	$1,200,000	This project improved and raised approximately 33,000 linear feet of ring levees surrounding the Kraemer Community, a forced drainage area that experienced overtopping during Hurricane Isaac.	2
STATE	Breach Management Plan	BA-0170	BH	N/A	JEFFERSON, LAFOURCHE, PLAQUEMINES, TERREBONNE	N/A	N/A	N/A	$471,340	This project assisted in developing a system-wide program for handling breaching that occurs within the barrier island and headland system of the Louisiana coastline. The analysis area extended eastward from Raccoon Island to Schofield Island withing the Terrebonne and Barataria Basins. The project included development of identification, classification, and prioritization methodologies with recommendations for breach prevention and response measures.	2
STATE	Barataria Large-Scale Component E-Planning	BA-0192	MC	N/A	JEFFERSON, PLAQUEMINES	8070	N/A	N/A	Not Available	This study assessed the siting and placement of numerous alternatives for the implementation of a Master Plan project (002.MC.05) involving the creation of approximately 8,070 acres of marsh in the mid-Barataria Basin in Jefferson and Plaquemines parishes. The results of this assessment will inform the development of future marsh creation projects in the area.	2
STATE	Grand Isle Bayside Breakwater	BA-0233	SP	N/A	JEFFERSON	Not Available	N/A	2020	$6,500,000	This project involves the construction of 17 rock breakwaters along the bayside of Grand Isle in Jefferson Parish to reduce wave erosion.	2
STATE	Grand Isle Back Levee	BA-0253	HP	N/A	JEFFERSON	N/A	N/A	Pending/On Hold	$2,000,000	This project is a continuation of construction of new back levee on Grand Isle.	2
STATE	Northwest Little Lake Marsh Creation Inc 2	BA-0260	MC	N/A	LAFOURCHE	669	N/A	Pending	$38,000,000	The goal of this project is the design and construction of a marsh creation project in Lafourche Parish in an area that was heavily impacted by Hurricane Ida.	2
STATE	Brannon Ditch	BD	SP	N/A	CALCASIEU	480	N/A	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 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	N/A	LAFOURCHE	44	N/A	2002	$473,365	Project features consisted of a thin layer marsh creation/nourishment covering 44 acres in Lafourche Parish.	3A
STATE	Lake Lery Hydrologic Restoration	BS-0006	FD	N/A	ST BERNARD	100	N/A	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	East Bank Sediment Transport Corridor	BS-0033	OT	N/A	PLAQUEMINES, ST BERNARD	N/A	N/A	N/A	$33,464,469	This project will investigate the establishment of a sediment pipeline corridor on the East Bank of the Mississippi River. St. Bernard Parish will develop the East Bank Sediment Transport Corridor Project Preliminary Design and Implementation Plan to include the necessary engineering, environmental, geotechnical, economic, logistical, and land rights requirements for implementation.	1
STATE	Bayou Terre Aux Boeufs Ridge	BS-0040	RR	N/A	ST BERNARD	N/A	N/A	2020	$2,000,000	This project involves strategic armoring of the Central reach of the proposed Bayou Terre Aux Boeufs Ridge Restoration Project in St. Bernard Parish to address subsidence, sea level rise, and shoreline erosion, and provide natural protection for coastal areas by damping storm surge energy.	1
STATE	Bayou Terre Aux Boeufs Ridge Restoration Phase 3	BS-0045	RR	N/A	ST BERNARD	82	N/A	Pending	$1,300,000	This project leverages funds from NFWF to complete the last phase of the project. The purpose of the project is to armor and protect the remaining Bayou Terre Aux Boeufs Ridge and adjacent Bayou Gentilly Shorelines from further erosion in order that they may better protect Delacroix Island and St. Bernard Parish.	1
STATE	Cheniere Au Tigre	CAT-01	SP	BOEMRE	VERMILION	40	N/A	2005	$1,802,271	The primary objective of this project is to protect the Cheniere au Tigre shoreline from additional erosion and protect local infrastructure. The project used 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 was placed just east of the CWPPRA funded TV-16 project with up to nine additional structures. The structures cover approximately 2,800 linear feet with an approximate distance of 240 feet from the existing shoreline.	3B
STATE	Holly Beach	CS-0001	SP	N/A	CAMERON	88	N/A	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-0002	MM	N/A	CAMERON	6575	N/A	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 Levee	CS-0004-A	HP	N/A	CAMERON	2602	N/A	2011	$12,600,000	The intent of this project is to provide for repair and maintenance of critical perimeter control structures around Calcasieu Lake and repairs to the Cameron-Creole Levee. These structures were severely damaged by Hurricane Rita.	4
STATE	Cameron-Creole Structure Automation	CS-0004-A-1	HR	N/A	CAMERON	N/A	N/A	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	Cameron Parish Shoreline Restoration	CS-0033	BH	N/A	CAMERON	523	N/A	2014	$45,747,094	This project involved the reestablishment of 8.7 miles (160 acres) of dune and beachhead from the western Calcasieu River Jetty to the Holly Beach/Constance Beach breakwater field using 1.98 million cubic yards of sediment dredged from the Gulf of Mexico.	4
STATE	Black Lake Supplemental Beneficial Use Disposal Area	CS-0034	MC	N/A	CAMERON	440	N/A	2010	$21,034,329	The project beneficially used 2.6 million cubic yards of dredged sediment from maintenance dredging of the Calcasieu River Ship Channel from mile 14 thru mile 17 to create 440 acres of marsh at the Black Lake/Marcantel Beneficial Use site in Cameron Parish.	4
STATE	Blind Lake	CS-BL	SP	N/A	CAMERON	480	N/A	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
STATE	Sabine Terraces	CS-ST	SNT	N/A	CAMERON	110	N/A	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. The project's objective was to 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

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
STATE	Fisheries Habitat Restoration on West Grand Terre Island at Fort Livingston	FTL-01	SP	N/A	JEFFERSON	Not Available	N/A	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.	2
STATE	Grand Isle Bay Side Breakwaters	GIBSB	SP	N/A	JEFFERSON	50	N/A	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-0001-A	MC, DM	N/A	ST CHARLES	28	N/A	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-0001-B	DM, MC	N/A	JEFFERSON	66	N/A	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-0001-C	DM	N/A	PLAQUEMINES	26	N/A	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-0001-D	DM	N/A	TERREBONNE	40	N/A	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-0001-E	MC	N/A	LAFOURCHE	38	N/A	2007	$1,831,534	This project created approximately 38 acres of marsh near Catfish Lake in Lafourche Parish using dredged material from Bayou Blue. The project was implemented through the coastwide State Dedicated Dredging Program.	3A
STATE	Dedicated Dredging - Point au Fer	LA-0001-F	MC	N/A	TERREBONNE	67	N/A	2007	$2,469,250	This project created approximately 67 acres of marsh north of Lake DeCade along the western bank of Minors Canal in Terrebonne Parish. The project was implemented through the coastwide State Dedicated Dredging Program.	3B
STATE	Southwest Coastal Louisiana Feasibility Study	LA-0020	DM, TE, SP, MC	USACE	ACADIA, BEAUREGARD, CALCASIEU, CAMERON, IBERIA, JEFFERSON DAVIS, LAFAYETTE, VERMILION	In Development	In Development	Pending	$3,392,226,000	The project consists of an integrated suite of ecosystem restoration and hurricane protection measures to address the coastal issues of Southwest Louisiana (including coastal areas in Acadia, Beauregard, Calcasieu, Cameron, Iberia, Jefferson Davis, Lafayette, and Vermilion parishes). Component measures include shoreline stabilization, marsh creation, salinity control, hurricane protection, and chenier restoration.	4
STATE	Beneficial Use 2008 Sabine Cycle 2	LA-0021	MC	N/A	CAMERON	227	N/A	2010	$6,636,312	The goals of this project were 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.	4
STATE	MAS1 - Management	LA-0211	OT	N/A	COASTWIDE	N/A	N/A	N/A	$200,000	This project is to recognize activities undertaken by the State of Louisiana's Coastal Protection and Restoration Authority as part of the active process of managing multiple floodplain mapping projects for the coastal area of Louisiana.	3B
STATE	Pecan Island Freshwater Introduction	ME-0001	FD	N/A	VERMILION	39000	N/A	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	Marsh Creation Near Freshwater Bayou	ME-0025-SF	MC	N/A	VERMILION	96	N/A	2015	$5,700,000	This project involved the construction of approximately 96 acres of freshwater marsh near the intersection of Humble Canal and Freshwater Bayou in Vermilion Parish using 816,000 cubic yards of sediment dredged from Freshwater Bayou.	4
STATE	Rockefeller Shoreline Protection	ME-0037	SP	N/A	CAMERON	N/A	N/A	2021	$9,270,263	This project involves the construction of 4,100 linear feet of encapsulated lightweight aggregate breakwater structures along the Gulf of Mexico shoreline in Cameron Parish immediately westward of CWPPRA project ME-0018, expanding shoreline protection of the Rockefeller National Wildlife Refuge.	4
STATE	Small Sediment Diversions	MR-0001-B	SD	N/A	PLAQUEMINES	6719	N/A	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	South Pass Bird Island Enhancement Project	MR-0172	MC	N/A	PLAQUEMINES	5	N/A	Pending	$1,405,000	The South Pass Bird Island Enhancement project will create approximately 5 acres of nesting island with sediments dredged from South Pass.	2
STATE	North Grand Isle Breakwaters	NGI	SP	N/A	JEFFERSON	50	N/A	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-0001	FD	N/A	ST BERNARD	84	N/A	1992, 2020	$1,000,000	This project involves the rehabilitation of the previously constructed Violet Siphon in St. Bernard Parish to enhance operation and reduce long-term maintenance costs.	1
STATE	Bayou Chevee	PO-0002-C	SP	N/A	ORLEANS	75	N/A	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-0003	SP	N/A	ST CHARLES	1750	N/A	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-0003-B	SP	N/A	ST CHARLES	50	N/A	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-0008	FD	N/A	ST BERNARD	300	N/A	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-0010	SP	N/A	ST JOHN THE BAPTIST	184	N/A	1994	$366,000	This project involved the construction of a 1,640 foot rock-filled gabion breakwater 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	MRGO Closure Structure	PO-0038-SF	HR	USACE	ST BERNARD	2343	N/A	2009	$14,116,500	This project was 100% Federally funded and involved the permanent closure of the Mississippi River Gulf Outlet (MRGO) with a rock dike. CPRA activities involved design review of the closure structure and acquisition of Real Estate interests for the closure structure.	1
STATE	St. Bernard Parish 40 Arpent Levee Repairs	PO-0061	HP	N/A	ST BERNARD	N/A	Not Available	2011	$5,000,000	This project was led by the Lake Borgne Levee District and involved raising low reaches of the Forty Arpent Levee in St. Bernard Parish.	1
STATE	Biloxi Marsh	PO-0072	SP	N/A	ST BERNARD	110	N/A	2014	$22,000,000	This project involved the construction of approximately four miles of shoreline protection along the southeastern shoreline of Lake Borgne.	1
STATE	North Shore Hurricane/Flood Protection and Restoration Plan	PO-0074	HP	N/A	ST TAMMANY	N/A	0.21	N/A	$1,271,898	This project developed and assessed multiple hurricane protection measures for North Shore communities and performed preliminary design for certain segments of the proposed alignments.	1

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
STATE	MRGO and Lake Borgne (Bayou Dupre Segment)	PO-0093	SP	USACE	ST BERNARD	N/A	N/A	Pending	Not Available	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. CPRA is acquiring portions of the two oyster leases that are impacted by this project.	1
STATE	MRGO and Lake Borgne (Bayou Bienvenue Segment)	PO-0094	SP	USACE	ST BERNARD	N/A	N/A	Pending	Not Available	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. CPRA is acquiring portions of the three oyster leases that are impacted by this project.	1
STATE	MRGO and Lake Borgne (Shell Beach Segment)	PO-0095	SP	USACE	ST BERNARD	N/A	N/A	Pending	Not Available	This project will construct approximately 15,700 linear feet of stone foreshore dike along the southern shoreline of Lake Borgne, west of Shell Beach. CPRA is acquiring portions of the four oyster leases that are impacted by this project.	1
STATE	MAS2 - Outreach	PO-0129	OT	N/A	JEFFERSON, ORLEANS, PLAQUEMINES, ST BERNARD, ST CHARLES	N/A	N/A	N/A	$266,670	The objective of this project is to support the release by the Federal Emergency Management Agency (FEMA) of a Digital Flood Insurance Rate Map (DFIRM) and Flood Insurance Study (FIS) report, for the Greater New Orleans area.	1
STATE	Central Wetlands Diversion	PO-0141	DI	N/A	ST BERNARD	N/A	N/A	Pending/On Hold	$125,094,303	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
STATE	Hydrologic Restoration of the Amite River Diversion Canal	PO-0142	HR, VP	N/A	LIVINGSTON	1600	N/A	2017	$3,592,100	This project involved increasing the hydrologic connectivity of the Amite River Diversion Canal (ARDC) with adjacent bald cypress-tupelo swamp habitat through the construction of multiple cuts in the existing ARDC spoil bank along with conveyance channels and vegetative plantings. The project provides benefits to approximately 1,600 acres of bottomland forest swamp habitat.	1
STATE	Living Shoreline	PO-0148	SP	USFWS	JEFFERSON, ST BERNARD	163	N/A	2017	$14,300,000	This project involved the construction of bioengineered oyster reefs along coastal fringe marsh in St. Bernard Parish. Installation occurred from Eloi Point to the mouth of Bayou La Loutre around Lydia Point and Paulina Point extending around the southern edge of Treasure Bay. This project was implemented in conjunction with other locally-led living shoreline projects in Plaquemines and Jefferson parishes.	1,2
STATE	St. Tammany Parish Coastal Protection Study	PO-0167	HP	N/A	ST TAMMANY	N/A	N/A	N/A	$2,000,000	This project involves updating the 2012 North Shore Hurricane and Flood Protection Study (PO-0074) with newly completed and proposed projects in St. Tammany Parish. Project funds will be used to conduct a gap analysis to identify new projects to further protect vulnerable areas as well as a benefit/cost analysis of projects to determine project priority and viability.	1
STATE	Violet Canal North Levee Alignment	PO-0170	HP	N/A	ST BERNARD	N/A	0.3	2019, 2020	$4,000,000	This project involves the construction of a levee/floodwall in the vicinity of the Violet Canal to maintain flood protection for the public and provide mutual benefit to the citizens within the territorial jurisdictions of OLD and LBBLD. The floodwall is required for the certification of the Forty Arpent and Florida Avenue levee systems located in St. Bernard Parish.	1
STATE	St. Bernard Pump Station Repairs	PO-0185	HP	N/A	ST BERNARD	N/A	Not Avail.	Pending	$4,000,000	This project involves the rehabilitation of multiple existing pump stations within the LPV system in St. Bernard Parish to enhance operation and reduce long-term maintenance costs.	1
STATE	Jefferson Parish Bucktown Living Shoreline	PO-0193	SP	N/A	JEFFERSON	N/A	N/A	N/A	$3,500,000	This project will match fundsacqired by Jefferson Parish from NFWF National Resilience Fund Program to build the Bucktown Marsh and Living Shoreline Project.	1
STATE	Labranche Shoreline Protection	PO-0194	SP	N/A	ST CHARLES	N/A	N/A	Pending	$1,000,000	This project is an Engineering and Design for shoreline protection project that is in the implementation schedule for construction prior to 2027.	1
STATE	Fontainebleau State Park Mitigation	PO-4355NP4	SP	N/A	ST TAMMANY	6	N/A	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	Raccoon Island Repair	RI	DM	N/A	TERREBONNE	197	N/A	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	N/A	TERREBONNE	1	N/A	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	N/A	CAMERON	10	N/A	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
STATE	Montegut Wetland	TE-0001	MM	N/A	TERREBONNE	4200	N/A	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-0002	MM	N/A	TERREBONNE	1300	N/A	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-0003	MM	N/A	TERREBONNE	4374	N/A	1991, 1996	$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-0006	MM	N/A	TERREBONNE	4700	N/A	2006	$2,771,819	This cooperative coastal restoration project benefits 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-0007-B	HR	N/A	TERREBONNE	3465	N/A	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-0014	VP	N/A	TERREBONNE	150	N/A	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	Morganza to the Gulf	TE-0064	HP	USACE	LAFOURCHE, TERREBONNE	N/A	18.7	Pending	$391,600,000	This project is designed to provide 100-year protection levels along the federally authorized Morganza to the Gulf alignment in Terrebonne and parts of Lafourche parishes. The project consists of the construction of earthen levees and t-walls, navigation structures, water control structures, and floodgates.	3A
STATE	Larose to Golden Meadow - Flood Protection	TE-0065	HP	N/A	LAFOURCHE	N/A	23	2014	$19,820,000	This project involved the design and construction of improvements to multiple reaches within the Larose to Golden Meadow hurricane protection system to reduce hurricane storm surge risk reduction to communities within the system.	2, 3A
STATE	Larose to Golden Meadow-Larose Sheetpile	TE-0065-SP	HP	N/A	LAFOURCHE	N/A	0.5	2017	$5,205,702	This project involved the construction of approximately 2400 feet of sheet pile to an elevation of +13 ft NAV88 along the GIWW at Larose in Lafourche Parish to increase the level of hurricane protection for the adjacent area.	2
STATE	Lost Lake Vegetation Project	TE-0082	VP	N/A	TERREBONNE	N/A	N/A	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-0108	OT	USACE	TERREBONNE	N/A	N/A	N/A	$686,725	This USACE-led project was partially funded by DOTD and evaluated the deepening of the Houma Navigation Canal to improve navigation.	3A
STATE	Valentine to Larose	TE-0111	HP	N/A	LAFOURCHE	N/A	0.38	2014	$1,000,000	This project involved the engineering, design, survey, repair, rehabilitation and possible construction of approximately 2,000 linear feet of levee along Bayou Lafourche, from the town of Valentine to the town of Larose in Lafourche Parish.	2
STATE	St. Mary Backwater Flooding	TE-0116	HP	N/A	ST MARY	N/A	1.72	2018	$10,394,609	This project provides for flood protection improvement to the current Morgan City flood protection system by raising nearly two miles of existing levees to elevations as identified in the 03/27/2013 report by T. Baker Smith.	3A
STATE	LaCache Pump Station	TE-0153	HP	N/A	TERREBONNE	N/A	N/A	2021	$2,000,000	This project involves rehabilitation of the existing LaCache Pump Station in Terrebonne Parish to improve operation and reduce long-term maintenance costs.	4
STATE	Larose to Golden Meadow System Improvements	TE-0154	HP	N/A	LAFOURCHE	N/A	0.18	Pending	$5,317,174	This project involves the design and construction of multiple features within the Larose to Golden Meadow hurricane protection system to reduce hurricane storm surge risk reduction to communities within the system.	2, 3A
STATE	Yellow Bayou	TV-0002-B	SP	N/A	ST MARY	126	N/A	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

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
STATE	Marsh Island Control Structures	TV-0006	MM	N/A	IBERIA	643	N/A	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-0011	SP	N/A	VERMILION	241	N/A	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-0013-B	SP	N/A	VERMILION, IBERIA	160	N/A	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	South Central Coastal Plan	TV-0054	HP	USACE	IBERIA, ST MARY, ST MARTIN	In Development	In Development	N/A	$3,000,000	This project involves the study and design of multiple hurricane protection features for coastal communities in St. Martin, Iberia, and St. Mary Parishes.	3B
STATE	Morgan City/ St Mary Flood Protection	TV-0055	HP	N/A	ST MARY	N/A	2.5	2018	$10,900,000	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
STATE	Delcambre-Avery Canal (E&D)	TV-0057	HP	N/A	IBERIA	N/A	N/A	N/A	$1,200,000	This project involves the engineering and design a flood control structure for the Delcambre-Avery Canal in Iberia Parish. 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
STATE	Bayou Tigre Flood Control Complex	TV-0075	HP	N/A	VERMILION	N/A	Not Avail.	Inactive	$6,280,000	This project will use utilize $6,280,000 of funds re-allocated from TV-56 to design and construct a pumping station to augment flood control operations at a closure gate across Bayou Tigre, currently under design as project TV-67. This project will help mitigate ponding and flooding on the protected side caused by flood gate closure during a lengthy rain event.	3B
STATE	Surplus Freshwater Bayou Bank Stabilization	TV-0076	SP	N/A	VERMILION	Not Available	7.3	2016	$1,300,000	This project utilized $1.3 million in surplus funding from the completed Marsh Creation Near Freshwater Bayou (ME-0025 SF) project to augment the foreshore rock dike feature along Freshwater Bayou in Vermilion Parish constructed as part of the CIAP Freshwater Bayou Bank Stabilization (TV-0011-B [EB]) project.	4
STATE	North Vermilion Bay Shoreline Protection	TV-0077	SP	N/A	VERMILION	Not Available	N/A	Pending	$7,900,000	This project involves the construction of approximately 9500 ft. of shoreline protection along the north rim of Vermilion Bay on the east and west sides of the mouth of Boston Canal in Vermilion Parish.	3B
STATE	Freshwater Bayou Shoreline Protection	TV-0082	SP	N/A	VERMILION	Not Available	N/A	Pending	$3,671,432	This project involves the construction of approximately 7,500 feet of foreshore rock dike along the eastern bank of Freshwater Bayou near Coles Bayou in Vermilion Parish to reduce bank erosion and subsequent degradation of the interior marshes.	3B
STATE	East Rainey Marsh Creation - Pecan Island Component	TV-0088	MC	N/A	VERMILION	6300	N/A	N/A	$2,000,000	This project will cover the Engineering and Design for a 2017 Master Plan Marsh Creation Project in Vermilion Parish that is in the implementation schedule prior to 2027.	3B
STATE	Little Valley Bayou Flood Protection	TV-0092	HP	N/A	IBERIA	N/A	N/A	Pending	$6,286,569	Engineering and design of a water control structure to reduce flood damages in Iberia Parish.	3B
STATE	George Lancon Flood Protection	TV-0093	HP	N/A	IBERIA	N/A	N/A	Pending	$3,428,565	Engineering and design of a water control structure to reduce flood damages in Iberia Parish.	3B
STATE	Rutton Rill Rd Flood Protection	TV-0094	HP	N/A	IBERIA	N/A	N/A	Pending	$3,928,864	Engineering and design of a water control structure to reduce flood damages in Iberia Parish.	3B
STATE	Stumpy Bayou Flood Protection	TV-0095	HP	N/A	IBERIA	N/A	N/A	Pending	$8,415,526	Engineering and design of a water control structure to reduce flood damages in Iberia Parish.	3B
STATE	Quintana Canal/Cypremort Point	TV-4355NP1	SP	N/A	ST MARY	26	N/A	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
STATE	Beneficial Use of I-10 Twin Span Debris (Deauthorized)	N/A	OT	N/A	ORLEANS	N/A	N/A	Deauthorized	$1,500,000	This project involves the use of Twin Span Debris as a form of shoreline protection for the Bayou Sauvage area.	1
STATE	East of Harvey Canal Interim Hurricane Protection - Phase I	N/A	HP	N/A	JEFFERSON	N/A	N/A	2009	$4,000,000	This project involved the installation of a combination of sheet pile and earthen flood protection, ultimately to an elevation of 10.0 feet along the east side of the Harvey Canal from the sector gate at Lapalco Boulevard to the existing levee at the west end, to provide interim hurricane protection during construction of the HSDRRS system.	2
STATE	Raising of LA 1 at Golden Meadow Floodgate and Completion of Golden Meadow Lock Structure	N/A	HP	N/A	LAFOURCHE	N/A	N/A	2010	$18,000,000	This project funded the raising of LA-1 to the 100-year flood elevation and to complete the lock in Bayou Lafourche, both critical elements of the Larose to Golden Meadow Hurricane Protection System. .	2
STATE	Raising of LA 23 at LaReussite	N/A	HP	N/A	PLAQUEMINES	N/A	N/A	2012	$1,200,000	This project involves raising LA Hw. 23 to the elevation of the adjoining La Reussite Siphon guide levees, where the highway crosses those guide levees. LDOTD performed the engineering in house and let contracts to complete the project.	2
STATE	Bay Welsh Disposal Site (Houma Navigation Canal)	N/A	DM	N/A	TERREBONNE	N/A	N/A	N/A	$300,000	The purpose of this project is to pre-clear the Bay Welsh disposal site adjacent to and east of the Houma Navigation Canal.	3A
STATE	Chabert Ring Levee	N/A	HP	N/A	TERREBONNE	N/A	Not Available	2008	$500,000	The project consists of the design and construction for a segment of levee around the Chabert Medical Center in Houma, Louisiana. The proposed ring levee will surround the Chabert Medical Center and will provide flood protection for the facility allowing operation during possible flood events.	3A
STATE	Wine Island	N/A	DM	N/A	TERREBONNE	N/A	N/A	2007	$2,000,000	The purpose of this project was to beneficially use material from the dredging of the houma Navigation Canal Bay Channel on Wine Island.	3A
STATE	NRCS Biomass Production Program	N/A	VP	NRCS	COASTWIDE	N/A	N/A	N/A	$80,000	The NRCS-LDNR/CRD Biomass Program is a multiyear programmatic initiative to accelerate the collection, testing, and release of important coastal wetland restoration plants. The Biomass Program began in 1999 in conjunction with the LDNR/CRD Small-Drdge Program with emphasis on plant performance and dedicated dredged sediment. This program is an important coastal restoration initiative that is advancing coastal wetland plant technology development.	COASTWIDE
STATE	NRCS Biomass Production Program	N/A	VP	NWRC	COASTWIDE	N/A	N/A	N/A	$1,552,100	This multi-year cooperative agreement funds the study of endemic wetland plant productivity, 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 is intended to facilitate matching plant species and varieties to expected environmental conditions at restoration sites, thereby increasing the likelihood of successful revegetation efforts.	COASTWIDE
STATE	NRCS Vegetative Planting	N/A	VP	NRCS	COASTWIDE	609	N/A	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	Murphy Lake Depth Restoration	Not Available	HR	N/A	IBERVILLE, ST MARTIN	N/A	N/A	N/A	N/A	Sediment has closed off access to Murphy Lake in the East Grand Lake WMU in low water conditions, causing water circulation and water quality problems. The project would involve dredging sediment accretion from the entrance of Murphy Lake to improve access and water flow into the lake.	3B
STATE	Buffalo Cove Water Management	Not Available	HR	USACE	IBERVILLE, ST MARTIN, ST MARY	N/A	N/A	N/A	N/A	The Buffalo Cove Water Management Project is a project of the U.S. Army Corps of Engineers (USACE). It was designed to improve water circulation and sediment management in the Buffalo Cove Water Management Unit in an effort to enhance fish and wildlife resources. The project includes the improvement of interior circulation within the swamp; the removal of barriers to north-south flow; the input of oxygenated, low temperature river water; and the prevention or management of sediment input into the interior swamps.	3B
STATE	USACE Bayou Courtableau and Des Glaises	Not Available	HR	USACE	AVOYELLES, EVANGELINE, LAFAYETTE, ST LANDRY, ST MARTIN, ST MARY, RAPIDES, VERMILION	N/A	N/A	N/A	N/A	Resolutions adopted by 8 acadiana parishes to study/work on Courtableau and Bayou des Glaises.	3B

ONGOING PROTECTION AND RESTORATION SUMMARIES

CPRA Program	Name	State Project Number	Project Type	Federal Sponsor	Parish	Acres Benefited	Miles of Levee Improved	Construction Completion	Total Budget	Project Description	Planning Unit
WRDA	Davis Pond Freshwater Diversion	BA-0001	FD	USACE	ST CHARLES	33000	N/A	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	LCA Small Bayou Lafourche Reintroduction	BA-0070	FD	USACE	LAFOURCHE, TERREBONNE	N/A	N/A	Pending/On Hold	$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
WRDA	LCA Medium Diversion with Dedicated Dredging at Myrtle Grove	BA-0071	FD	USACE	PLAQUEMINES	N/A	N/A	Pending/On Hold	$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
WRDA	LCA Modification of Davis Pond Diversion	BA-0072	FD	USACE	JEFFERSON, LAFOURCHE, PLAQUEMINES, ST CHARLES	N/A	N/A	Pending/On Hold	$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
WRDA	Spanish Pass Risdge and Marsh Restoration	BA-0191	RR	USACE	PLAQUEMINES	78	N/A	2018	$18,111,516	This project involved restoration of 78 acres of historic ridge backed by a marsh platform at Spanish Pass in Plaquemines Parish via beneficial use of 695,000 cubic yards of dredged material removed through the routine operation and maintenance dredging of the Mississippi River HDDA.	2
WRDA	Grand Isle & Vicinity Breakwater	BA-0210	SP	USACE	JEFFERSON	N/A	N/A	2021	$15,000,000	The purpose of this project is to stabilize the western portion of beach and dune in Grand Isle in Jefferson Parish. The stabilization will consist of the construction of beach, dune, and segmented rock breakwaters.	2
WRDA	Caernarvon Freshwater Diversion	BS-0008	FD	USACE	PLAQUEMINES	16000	N/A	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
WRDA	LCA Modification of Caernarvon Diversion	BS-0019	FD	USACE	PLAQUEMINES, ST BERNARD	N/A	N/A	Pending/On Hold	$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
WRDA	LCA Medium Diversion at White's Ditch	BS-0020	FD	USACE	PLAQUEMINES	N/A	N/A	Pending/On Hold	$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
WRDA	LCA Barataria Basin Barrier Shoreline - 2007	LA-0010	MC, BH	USACE	JEFFERSON, PLAQUEMINES, LAFOURCHE	N/A	N/A	Pending/On Hold	$363,900,000	The purpose of this project is to provide beach/dune restoration and marsh creation on Caminada Headlands and Shell Island.	2
WRDA	LCA Beneficial Use Feasibility Study	LA-0019	DM	USACE	COASTWIDE	N/A	N/A	Pending/On Hold	$100,000,000	This Feasibility Study will examine increased beneficial use of dredged material from Federally authorized navigation channels.	COASTWIDE
WRDA	Southwest Coastal Louisiana Feasibility Study	LA-0020	OT	USACE	ACADIA, BEAUREGARD, CALCASIEU, CAMERON, IBERIA, JEFFERSON DAVIS, LAFAYETTE,	15448	Not Avail.	Pending	$3,392,226,000	The project consists of an integrated suite of ecosystem restoration and hurricane protection measures to address the coastal issues of Southwest Louisiana (including coastal areas in Acadia, Beauregard, Calcasieu, Cameron, Iberia, Jefferson Davis, Lafayette, and Vermilion parishes). Component measures include shoreline stabilization, marsh creation, salinity control, hurricane protection, and chenier restoration.	4
WRDA	LCA Mississippi River Delta Management Study	MR-0016	OT	USACE	JEFFERSON, LAFOURCHE, ORLEANS, PLAQUEMINES, St BERNARD, ST CHARLES, ST JOHN THE BAPTIST, ST TAMMANY, TANGIPAHOA	N/A	N/A	Pending/On Hold	$25,358,136	This feasibility study is focused on tool development to evaluate existing conditions in the lower Mississippi River and any potential local and system-wide impacts of proposed changes to the system. The Hydrodynamic component will evaluate the river system from ORCS to the Gulf, develop a comprehensive modeling system to assess restoration alternatives, and determine the availability of fresh water, sediment, and nutrients for restoration. The Delta Management component will evaluate potential projects, such as large fresh water diversions and alternative navigation channel alignments, with the goal of increasing sediment deposition in coastal areas.	2
WRDA	Small Diversion at Hope Canal	PO-0067	FD	USACE	ST JOHN THE BAPTIST	N/A	N/A	Pending/On Hold	$150,000,000	This project evaluates a small freshwater diversion (less than 5000 cfs) to introduce sediment and nutrients into Maurepas Swamp in order to facilitate organic deposition, improve biological productivity, and prevent further deterioration of the swamp. The state is using surplus funds as part of the required cost-share for this project. *Fully funded Phase 2 cost provided si the the projected cost estimates.	1
WRDA	LCA Small Diversion at Convent / Blind River	PO-0068	FD	USACE	ASCENSION, ST JAMES	N/A	N/A	Pending/On Hold	$139,060,924	The project will construct a 3,000 cubic feet per second capacity gated box culvert diversion on the Mississippi River in the vicinity of Romeville, Louisiana. It will improve 21,369 acres of bald cypress-tupelo swamp within the Maurepas Swamp.	1
WRDA	LCA Amite River Diversion Canal Modification (Transferred)	PO-0069	VP, HR	USACE	ASCENSION, LIVINGSTON	N/A	N/A	Transferred	$10,760,000	The goal of this project is to reestablish hydrologic connectivity between Maurepas Swamps and natural waterbodies. The project was transferred from the LCA program and is being implemented as State project PO-142.	1
WRDA	LCA Maintain Land Bridge Between Caillou Lake and Gulf of Mexico	TE-0067	MC	USACE	TERREBONNE	N/A	N/A	Pending/On Hold	$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
WRDA	LCA Point Au Fer	TE-0068	MC	USACE	TERREBONNE	N/A	N/A	Pending/On Hold	$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
WRDA	LCA Terrebonne Basin Barrier Shoreline Restoration	TE-0070	BH	USACE	TERREBONNE	N/A	N/A	Pending/On Hold	$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
WRDA	LCA Convey Atchafalaya River Water to Northern Terrebonne Marshes	TE-0071	HR	USACE	TERREBONNE	N/A	N/A	Pending/On Hold	$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
WRDA	South Central Coastal Plan	TV-0054	HP	USACE	IBERIA, ST MARTIN, ST MARY	N/A	N/A	N/A	$24,818,800	This project involves the study and design of multiple hurricane protection features for coastal communities in St. Martin, Iberia, and St. Mary Parishes.	3B

Notes:

Program: CWPPRA=Coastal Wetlands Planning, Protection and Restoration Act; State=Coastal projects funded primarily by the State of Louisiana (e.g., Capital Outlay, Surplus); SECTION 204/1135=Water Resource Development Act Sections 204 and 1135 beneficial use of dredged material projects; WRDA=Water Resources Development Act; FEMA= Federal Emergency Managment Agency funded projects; CIAP=Coastal Impact Assistance Program; NRDA=Natural Resources Damage Assessment; NFWF=National Fish and Wildlife Foundation; RESTORE=Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf Coast States Act; Other=funded by programs not otherwise listed.

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

Agency/Sponsor: BOEM=Bureau of Ocean Energy Management, Regulation, and Enforcement; EPA=Environmental Protection Agency; FEMA=Federal Emergency Management Agency; HUD=Housing and Urban Development; NOAA=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.