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St. Bernard Parish Government
Coastal Division
2022 Annual Coastal Report

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Lake Borgne Marsh Creation Project Site



Executive Summary



The St. Bernard Parish Government (SBPG) Coastal Division continues coordinating with its federal and state partners to design and construct largescale coastal restoration projects. The US Department of the Interior (DOI) recently completed the North Breton Island Restoration project (\$72 million). Additionally, Coastal Protection and Restoration Authority (CPRA) dredging activities have been ongoing at the Lake Borgne Marsh Creation (\$127 million) and Golden Triangle Marsh Creation (\$54.5 million) project sites.

Engineering/design was completed and construction funding has recently been secured for two additional largescale projects. Bayou La Loutre Ridge Restoration (\$31 million) was designed under the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) program and will be constructed with Natural Resource Damage Assessment (NRDA) funding. The CWPPRA Technical Committee also recently approved Phase 2 (construction) funding for East Delacroix Marsh Creation and Terracing (\$44.4 million). East Delacroix now represents the first fully-funded CWPPRA project in St. Bernard Parish since 2006.

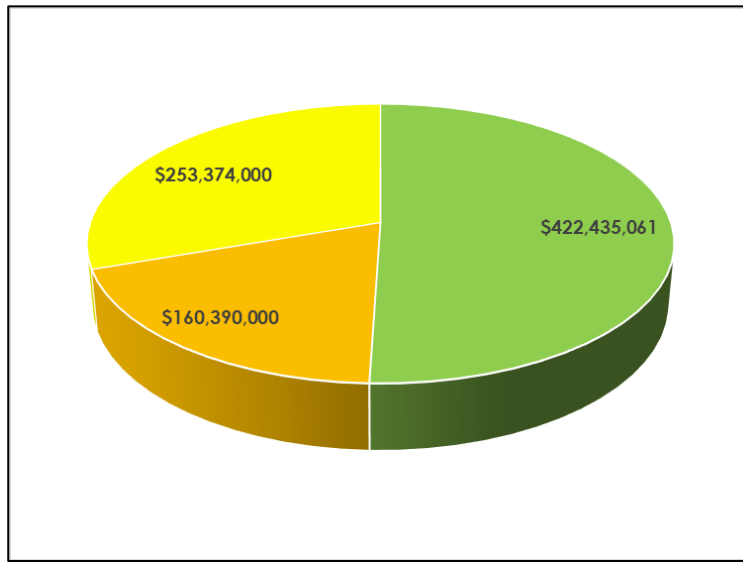
Construction for a number of small-scale projects is also ongoing. Bayou Terre aux Boeufs Ridge Restoration (Armoring Phase 2, \$5.2 million) will be going up for construction bid in early 2023. After significant delays following Hurricane Ida, Lake Lery Marsh Creation (Phase 2, \$3 million) construction will resume in 2023. The highly anticipated Paris Road Streetscape Enhancement project (\$800,000) is currently under construction and will be completed next year. Finally, in partnership with Nunez Community College, the Islenos Community Archive project (\$100,000) is expected to be completed in early 2023.

Over 400 acres of North Breton Island were restored from 2020-2022
(Source: NOAA)



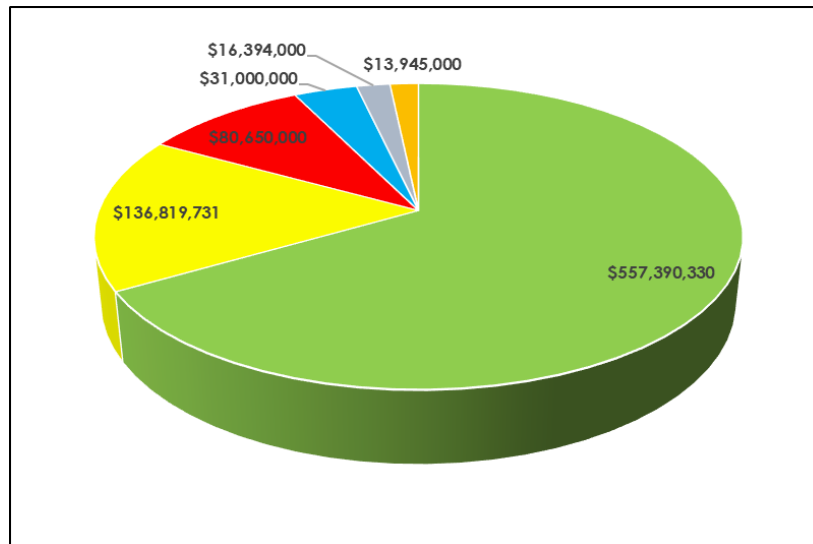
I. 2022: Recap and Highlights

Completed and Projected Total Expenditures by Activity Phase



	Construction (Completed or Ongoing)
	Planning
	Engineering/Design

Completed and Projected Total Expenditures by Activity Type



	Marsh Creation		Ridge Restoration
	Shoreline Protection		Economic Development
	Island Restoration		Other



Construction and Implementation

- **January 2022:** DOI dredging activities at the North Breton Island Restoration project site were completed.
- **April 2022:** SBPG and others planted approximately 275 black mangroves in the Biloxi Marsh. An additional 1,200 plants were potted in November.
- **June 2022:** SBPG hosted a public seafood market event in Delacroix. A second public seafood market event was later held in Hopedale.
- **July 2022:** Construction of the Ducks Unlimited Restoration Project (Chalmette and Caernarvon) began.
- **September 2022:** Nunez Community College began construction of the Islenos Community Archive in the school library.
- **October 2022:** SBPG secured additional funding for the ongoing implementation of the Nunez Community College Fisheries Workforce Development Program.
- **October 2022:** SBPG initiated construction for the Paris Road Streetscape project.
- **December 2022:** CPRA dredging activities at the Lake Borgne Marsh Creation and Golden Triangle Marsh Creation sites continued throughout the year. Construction activities at the Biloxi Marsh Living Shoreline site were also ongoing throughout the year.

Engineering and Design

- **January 2022 - Ongoing:** CPRA continued the engineering/design processes for the North Delacroix Marsh Creation, Reggio Marsh Creation, and East Delacroix



Marsh Creation (now complete) CWPPRA projects. Engineering/design funding for the Yscloskey Marsh Creation project was also approved and will begin in 2023.

- **January 2022 - Ongoing** : SBPG and CPRA continued the engineering/design process for the East Bank Sediment Pipeline Corridor project throughout the year.
- **December 2022** : SBPG completed the construction bid package for Bayou Terre aux Boeufs Ridge Restoration (Armoring, Phase 2). Construction is scheduled to begin in 2023.

Planning

- **April 2022**: SBPG adopted the third iteration of the Coastal Strategy Document, the parish's comprehensive local coastal restoration plan.
- **October 2022** : SBPG hosted the monthly CPRA Board meeting for the first time since the COVID-19 Pandemic.

Parish President Guy McInnis and the CPRA Board in Chalmette



II. 2023: Vision for Restoring the Coast

St. Bernard Parish has benefited from the recent influx of projects advancing from engineering/design into construction/implementation. In 2019, only 8% of all projects featured in SBPG's Coastal Strategy Document had reached the construction/implementation phase. However, 67% of all projects have since been



completed or are actively being constructed/implemented. In monetary terms, this represents over \$422 million of completed or ongoing work dating back to 2016 (please refer to the Master Project List on page 7).

The CPRA 2023 State Master Plan will include additional largescale projects and other opportunities for St. Bernard Parish. The SBPG Coastal Division will maintain its sense of urgency and continue working with federal and state partners to leverage the funding necessary to design and construct the most impactful projects possible. The parish will also continue monitoring the permitting processes for the proposed largescale sediment diversions and will oppose any project that will not yield immediate habitat and/or storm surge risk reduction benefits for local residents and businesses.

St. Bernard Parish is culturally, environmentally, and economically significant to the region, state, and nation. While largescale coastal restoration and risk reduction projects will remain focal points, the SBPG Coastal Division will continue promoting small-scale restoration projects, sustainable fisheries, economic development, community engagement, and advocacy. Restoring coastal St. Bernard Parish to its early 20th Century condition is highly unlikely. However, the parish's population has rebounded since Hurricane Katrina and it is critical that SBPG maintain the parish's vital role on Louisiana's working coast.

III. Master Project List



Project	Phase	Cost	Funding Source
Lake Lery Marsh Creation Phase 1	Complete	\$8,000,000	CIAP
Oyster Reef Shoreline Protection	Complete	\$600,000	CRCL/CPRA/NFWF
MRGO Navigational Aids	Complete	\$15,000	SBPG
Kayak Navigational Aids	Complete	\$5,000	SBPG
Living Shoreline	Complete	\$22,000,000	CPRA
Violet Canal North Levee Alignment	Complete	\$4,000,000	CPRA/CDBG/HMGP
Black Mangrove Planting	Complete	\$15,000	SBPG/Orvis/AFFTA/Private
Violet Harbor of Refuge	Complete	\$2,000,000	CDBG
Caernarvon to Verret Reforestation	Complete	\$10,000	LPBF/SBPG
Rec. Fishing (Delacroix Pier/Restroom)	Complete	\$1,000,000	SBPG
Rec. Fishing (Delacroix Holst/Dry Dock)	Complete	\$1,000,000	SBPG
Lake Fortuna Oyster Cultch	Complete	\$2,500,000	LDWF/NRDA
Violet Canal Maintenance Dredging	Complete	\$280,000	CPRA
Marine Debris Removal and Dredging	Complete	\$300,000	SBPG
Bayou Bash Marine Debris Removal	Complete	\$20,000	SBPG
Bayou Terre aux Boeufs Ridge Phase 1	Complete	\$2,000,000	SBPG/CPRA
BUDMAT Lake Lery Feasibility Study	Complete	\$300,000	SBPG
North Breton Island Restoration	Complete	\$72,000,000	NRDA/DOI
Violet Canal Siphon Repairs	Complete	\$1,000,000	CPRA
Improving Oyster Resilience Program	Complete	\$7,000,000	NRDA/LDWF
Nunez Fisheries Workforce Devt.	Ongoing	\$520,000	RESTORE
Lake Lery Marsh Creation Phase 2	Ongoing	\$3,000,000	CIAP/RESTORE
Bayou Terre Aux Boeufs Ridge Phase 2	Ongoing	\$5,200,000	SBPG/NFWF/RESTORE
Paris Road Streetscape	Ongoing	\$800,000	RESTORE
St. Bernard Pump Station Repairs	Ongoing	\$4,000,000	CPRA
Biloxi Marsh Living Shoreline	Ongoing	\$57,719,731	CPRA/RESTORE
Lake Borgne Marsh Creation	Ongoing	\$127,000,000	CPRA/NRDA
Golden Triangle Marsh Creation	Ongoing	\$54,550,330	CPRA/RESTORE
Ducks Unlimited Restoration Project	Ongoing	\$1,100,000	NAWCA/DU/MF/SBPG
East Delacroix Marsh Creation	Ongoing	\$44,400,000	CWPPRA/CPRA
Islenos Community Archive at Nunez	Ongoing	\$100,000	RESTORE
Lake Lery Marsh Creation Phase 3	Eng/Design	\$14,800,000	SBPG/TBD
East Bank Sediment Pipe, Prelim. Design	Eng/Design	\$1,500,000	SBPG/CPRA
Bayou La Loutre Ridge Restoration	Eng/Design	\$31,000,000	CWPPRA/CPRA
North Delacroix Marsh Creation	Eng/Design	\$35,500,000	CWPPRA/CPRA
Bayou Terre aux Boeufs Ridge Phase 3	Eng/Design	\$3,300,000	SBPG/TBD
Barrier Island Creation Prelim. Design	Eng/Design	\$650,000	SBPG
Reggio Marsh Creation	Eng/Design	\$33,640,000	CWPPRA/CPRA
Yscloskey Marsh Creation	Eng/Design	\$40,000,000	CWPPRA/CPRA
Recreational Fishing Pier (Shell Beach)	Planning	\$1,374,000	SBPG/RESTORE
Rec. Fishing Pier/Market (Hopedale)	Planning	\$1,000,000	SBPG/RESTORE
Point Aux Marchettes Shoreline Protect.	Planning	\$46,000,000	NRDA
40 Arpent Bike Bath Bridge	Planning	\$500,000	RESTORE
Hopedale Marsh Creation	Planning	\$82,300,000	TBD
Oak River to Delacroix Marsh Landbridge	Planning	\$114,200,000	TBD
Chandeaur Islands Restoration	Planning	\$8,000,000	CPRA/NRDA

GRAND TOTAL: \$836,199,061
SBPG Coastal Division



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The end of Delacroix Highway at Bayou Terre aux Boeufs

