

3 **APPENDIX C: CROSSWALK**  
4 **OF REVISED CCMP TO 1995**  
5 **CCMP AND 2006 CHMP**

8 **LAKE PONTCHARTRAIN BASIN RESTORATION**  
9 **PROGRAM**

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10 The purpose of the Lake Pontchartrain Basin Restoration Program is to restore the ecological health of the  
11 basin by developing and funding restoration projects and related scientific and public education projects to  
12 reduce the risk of pollution.

13 **CITATION**

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14 Lake Pontchartrain Basin Restoration Program. (2025). Appendix C: Crosswalk of Revised CCMP to 1995  
15 CCMP and 2006 CHMP. (pp. 1-26).

16 **ACKNOWLEDGMENTS**

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17 This document was developed in support of the Lake Pontchartrain Basin Restoration Program's  
18 Comprehensive Conservation Management Plan update. The document was prepared by members of the  
19 Theodore Roosevelt Conservation Partnership team (Royal Engineers and Consultants, LLC; Denise Reed,  
20 LLC; Emergent Method, LLC; and Louisiana State University).

21 **Table of Contents**

22 Lake Pontchartrain Basin Restoration Program ..... 1

23 Citation..... 2

24 Acknowledgments ..... 2

25 List of Abbreviations ..... 5

26 1995 Comprehensive Conservation Management Plan (CCMP) Crosswalk Tables..... 6

27 2006 Comprehensive Habitat Management Plan (CHMP) Crosswalk Tables ..... 16

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## 29 List of Tables

30	Table 1. Crosswalk of 1995 CCMP water quality actions with actions included in the 2026 Draft CCMP.....	6
31	Table 2. Crosswalk of 1995 CCMP essential habitat actions with actions included in the 2026 Draft CCMP...	8
32	Table 3. Crosswalk of 1995 CCMP education/public participation actions with actions included in the 2026	
33	Draft CCMP.....	12
34	Table 4. Crosswalk of 2006 CHMP upland forest recommendations with actions included in the 2026 Draft	
35	CCMP.....	16
36	Table 5. Crosswalk of 2006 CHMP Upland Riverine recommendations with actions included in the 2026 Draft	
37	CCMP.....	17
38	Table 6. Crosswalk of 2006 CHMP Upland Sub-Basin Lake Maurepas and adjacent wetlands	
39	recommendations with actions included in the 2026 Draft CCMP.....	19
40	Table 7. Crosswalk of 2006 CHMP Middle Sub-Basin Lake Pontchartrain and adjacent wetlands	
41	recommendations with actions included in the 2026 Draft CCMP.....	19
42	Table 8. Crosswalk of 2006 CHMP Lower Sub-Basin Lake St. Bernard and Plaquemines parishes	
43	recommendations with actions included in the 2026 Draft CCMP.....	21
44	Table 9. Crosswalk of 2006 CHMP research and data needs recommendations with actions included in the	
45	2026 Draft CCMP. ....	23

# LIST OF ABBREVIATIONS

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<u>Abbreviation</u>	<u>Definition</u>
CCMP	Comprehensive Conservation Management Plan
CHMP	Comprehensive Habitat Management Plan
DCRT	Department of Culture, Recreation, and Tourism



48 **1995 COMPREHENSIVE CONSERVATION**  
 49 **MANAGEMENT PLAN (CCMP) CROSSWALK**  
 50 **TABLES**

51 Please note that text related to 1995 Comprehensive Conservation Management Plan (CCMP) actions was  
 52 copied directly from the CCMP; no revisions were made.

53 **Table 1. Crosswalk of 1995 CCMP water quality actions with actions included in the 2026**  
 54 **Draft CCMP.**

1995 CCMP WATER QUALITY		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
GOAL	To improve Basin water quality through a comprehensive program of point and nonpoint pollutant source reduction that targets urban runoff, sewage, industrial pollution, agricultural runoff and saltwater intrusion.	n/a
Objective I	Provide a technical basis for the formulation of water quality improvement actions through water quality monitoring, needs assessment and research.	n/a
Objective I	A. Monitor all pollution sources in the Basin, with citizen involvement when possible. Specifically, monitoring should include point sources and nonpoint sources of pollution from urban and rural areas, and agricultural regions.	1.1.2; 1.1.7; 1.1.11; 1.1.12; 1.2.1; 1.2.5; 1.2.9; 1.2.11; 1.2.17; 1.2.18; 1.2.19; 1.2.20; 1.2.21
Objective I	B. Assess current condition of the Basin and determine desired level of quality, what is feasible using the best available technology, and how existing pollution laws can best be implemented.	1.1.12; 1.1.14; 1.2.1; 1.2.5; 1.2.19
Objective I	C. Promote an ongoing, coordinated, interagency research program that addresses basin water quality within its hydrologic boundaries.	1.1.12; 1.2.22
Objective II	Reduce adverse impacts of urban runoff upon Basin water quality.	n/a
Objective II	A. Increase funding to continue and maintain the development of surface water quality standards and to monitor the waters of 1he Basin regularly for compliance under the Clean Water Act.	1.2.9; 1.2.10; 1.2.11; 1.2.15; 1.2.20; 1.2.21

1995 CCMP WATER QUALITY		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Objective II	B. Develop and implement a Basinwide stormwater management program.	1.2.11 speaks to this though it is not basin wide
Objective II	C. Continue to sponsor and obtain state, federal, and private funding for current and future water quality enhancement programs.	This is implied rather than specifically stated as an action
Objective II	D. Discharge stormwater runoff from Orleans and Jefferson Parishes into Mississippi River instead of the Lake.	Not identified as a priority issue for 2026 CCMP
Objective III	Eliminate sewage-related pollution impacts on water quality.	n/a
Objective III	A. Raise sewage treatment standards and compliance levels.	1.1.1; 1.1.8; 1.2.4; 1.2.7; 1.2.15; 3.2.10
Objective III	B. Ensure funding for adequate sewage treatment.	1.1.1; 1.1.2; 1.1.3; 1.1.6; 1.1.8; 1.1.9; 1.1.10; 1.2.4; 1.2.7; 1.2.8; 1.2.15; 1.2.16
Objective IV	Reduce impacts of Industrial and commercially generated pollution on water quality.	n/a
Objective IV	A. Develop a point source pollution management program that identifies and addresses sources of industrial and commercial pollution.	1.1.7; 1.1.11; 1.2.20; 1.2.21
Objective IV	B. Clean up pollution In the Inner Harbor Navigation Canal	Action associated with lock replacement under consideration by USACE
Objective IV	C. Reduce Oilfield discharge impacts In the Basin.	1.1.7; 1.1.11
Objective IV	D. Mitigate adverse Impacts of sand, gravel, and clay mining in the Basin.	2.2.6
Objective V	Reduce environmental problems associated with agricultural practices.	n/a
Objective V	A. Increase educational programs pertaining to BMPs for pesticides, soil erosion, and on-farm water management.	1.2.11; 1.2.18

1995 CCMP WATER QUALITY		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Objective V	B. Develop an action plan for agricultural runoff which includes stricter control of agricultural runoff through existing laws and regulations	1.2.11; 1.2.18
Objective V	C. Strictly control pesticide applications and employ non-chemical means to manage unwanted vegetation and pests whenever possible in both urban and rural areas.	1.2.11
Objective VI	Reduce impacts of saltwater intrusion on water quality.	Closure of MRGO has diminished the importance of saltwater intrusion

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**Table 2. Crosswalk of 1995 CCMP essential habitat actions with actions included in the 2026 Draft CCMP.**

1995 CCMP ESSENTIAL HABITAT		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
GOAL	Protect and restore land-based and aquatic critical habitat in the Pontchartrain Basin.	n/a
Objective I	Reduce the environmental impacts of saltwater intrusion in the Pontchartrain Basin.	n/a
Objective I	A. Initiate research projects to evaluate the Impacts of saltwater intrusion caused by navigation, diversion, and structural projects.	Closure of MRGO has diminished the importance of saltwater intrusion
Objective I	B. Control saltwater intrusion by structural means.	Closure of MRGO has diminished the importance of saltwater intrusion
Objective II	Reduce and/or prevent loss of wetland areas within the Basin and restore degraded areas where possible.	n/a
Objective II	A. Initiate research projects to evaluate wetland loss and degradation.	Extensive research on loss processes has been conducted since 1995
Objective II	B. Enhance marsh vegetation growth and development by structural means, revegetation, diversion projects, and sediment retention devices.	2.1.1

1995 CCMP ESSENTIAL HABITAT		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Objective II	C. Determine the effects of nutria "eat outs" on wetland loss.	CWPPRA control program now in place
Objective II	D. Implement a wetland protection program that will emphasize a "no net loss" policy and establish mitigation policies.	2.2.11; 2.2.12
Objective II	E. Develop educational and financial incentives to protect and conserve wetlands.	2.2.1; 2.2.2; 2.2.5; 2.2.15
Objective III	Prevent or reduce the impact of shoreline erosion within the Basin.	n/a
Objective III	A. Initiate a study to determine the most cost-effective and feasible shoreline protection devices/methods.	2.1.6; 2.1.7
Objective III	B. Construct the appropriate wave-abatement and sediment-trapping structures adjacent to the eroding shorelines to prevent further loss.	2.1.1; 2.1.5
Objective III	C. Regulate boat speeds in the MRGO so that they are required to maintain speeds below those that create large wakes.	MRGO has since been closed
Objective IV	Reduce and/or prevent loss of SAV areas within the Basin and restore these areas where possible.	n/a
Objective IV	A. Initiate restoration projects to reconstruct SAV beds in Lake Pontchartrain.	2.1.1; 2.1.15
Objective V	Protect and restore essential habitat and rare natural communities.	n/a
Objective V	A. Initiate an ongoing coordinated, interagency research program that will develop a baseline study of natural vegetation and species/organisms in the basin	2.1.9
Objective V	B. Develop a Basin-wide restoration plan that ranks potential restoration areas from highest to lowest in priority. The highest priority restoration areas, or "key areas" are those that result in the maximum gain in ecosystem function at a minimum cost	Coastal Master Plan selects projects based on their performance in land building

1995 CCMP ESSENTIAL HABITAT		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Objective V	C. Encourage the enhancement of publicly and privately owned habitat for rare and endangered species (non-consumptive and consumptive) where those actions do not impact water quality	2.1.8; 2.2.10
Objective V	D. Develop and strictly enforce management plans for all scenic streams and rivers within the Basin.	2.2.11; 2.2.12
Objective V	E. Enforce all existing federal and state regulations regarding the protection of threatened and endangered species and marine mammals.	2.2.11; 2.2.12
Objective V	F. Develop resource management programs that will protect and restore longleaf pine savannas in the Basin.	2.2.1; 2.2.2; 2.2.3
Objective V	G. Develop and initiate a management program for cypress trees in the Basin.	2.1.13; 2.1.14; 2.2.9
Objective V	H. Initiate a study on cost-effective methods to eradicate or control fruit tree leafroller populations.	Not identified as a priority issue for 2026 CCMP
Objective VI	Design, develop, and oversee a system of parks and wildlife preserves that protects the Basin's essential habitat while allowing for recreational and educational activities.	n/a
Objective VI	A. Request that the Office of State Lands in the Division of Administration identify and map state-owned lands which could be used for recreational purposes or which could provide access to water.	3.1.5; 3.1.9; 3.2.6; 3.3.2; 3.3.3; 3.3.4; 3.3.5; 3.3.6; 3.3.7; 3.3.8; 3.3.11; 3.3.12; 3.3.13
Objective VI	B. Distribute Statewide Comprehensive Outdoor Recreation Plan inventories to IAWG delegates so they can be reviewed for accuracy.	3.3.2; 3.3.3; 3.3.4; 3.3.5
Objective VI	C. Work with the Louisiana Department of Culture, Recreation, and Tourism (DCRT) to incorporate the state-owned lands identified by the Office of State Lands into the Statewide Comprehensive Outdoor Recreation Plan.	Files for state owned lands now available
Objective VI	D. Redirect a portion of the DCRT advertising budget to market underutilized outdoor recreational facilities in the state.	3.3.3

1995 CCMP ESSENTIAL HABITAT		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Objective VI	E. Work with the DCRT to ensure that there is sufficient public access to water based recreational facilities.	3.3.3; 3.3.4; 3.3.5
Objective VI	F. Coordinate with local levee districts to determine if adequate facilities are proposed and/or maintained to meet recreational demand along the levees.	3.3.2; 3.3.11
Objective VI	G. Involve regional and local sportsmen's associations as local sponsors of new recreational developments, e.g. bike routes, fishing sites, and hiking trails.	3.3.8
Objective VI	H. Work with the USFWS to increase public access to the Bayou Sauvage National Wildlife Refuge.	Several public access points are now available
Objective VI	I. Encourage the use of excursion boats on Lake Pontchartrain.	Not identified as a priority issue for 2026 CCMP
Objective VI	J. Promote recreational use of waterbodies (e.g., excursion boats, canoeing, and camping) and provide recreational facilities and open space in the Basin such as beaches, state parks, trails, and paths.	3.3.2 through 3.3.8; 3.3.11; 3.3.13
Objective VI	K. Explore the use of easements and servitude for access to public lands.	Not identified as a priority issue for 2026 CCMP
Objective VII	Encourage the development of efficient transportation systems that minimize adverse environmental impacts to the Basin's critical areas.	n/a
Objective VII	A. Coordinate with the DOTD and metropolitan planning organizations in the development of the state's intermodal transportation plan so that transportation goals of the state are consistent with the Basin's management plan.	Not identified as a priority issue for 2026 CCMP
Objective VII	B. Identify the key routes to be developed/upgraded and assure that the plans are consistent with the goals of the Basin's management plan.	Not identified as a priority issue for 2026 CCMP
Objective VII	C. Encourage development of mass-transit systems in order to reduce traffic congestion, to reduce source and nonpoint source pollution associated with high traffic volumes, and to Improve general quality of life.	Not identified as a priority issue for 2026 CCMP

1995 CCMP ESSENTIAL HABITAT		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Objective VII	D. Encourage the development of bicycle routes and hiking paths in the Basin.	3.1.5; 3.3.2; 3.3.7; 3.3.13
Objective VII	E. Coordinate with state and federal agencies to ensure that transportation projects are compatible with ongoing coastal conservation/restoration efforts.	Not identified as a priority issue for 2026 CCMP
Objective VIII	Restore and protect the primary nursery areas in the Basin In order to maintain long-term, sustainable fisheries.	n/a
Objective VIII	A. Initiate a fisheries analysis and monitoring program that can be utilized for the long-term management of fisheries resources.	2.2.4; LDWF sampling program now established
Objective VIII	B. Maintain optimum yield for existing commercially and recreationally important basin species.	Not identified as a priority issue for 2026 CCMP
Objective VIII	C. Encourage the development of value-added processing for all seafood resources harvested in the Basin.	Not identified as a priority issue for 2026 CCMP

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**Table 3. Crosswalk of 1995 CCMP education/public participation actions with actions included in the 2026 Draft CCMP.**

1995 CCMP EDUCATION/PUBLIC PARTICIPATION		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
GOAL	Educate the public on a broad array of issues involving pollution in the Basin in order to encourage active public/private participation in cleanup and to deter further environmental degradation.	n/a
Objective I	Develop and/or distribute a comprehensive array of educational materials for use in environmental education programs.	n/a

1995 CCMP EDUCATION/PUBLIC PARTICIPATION		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Objective I	A. Develop and/or distribute materials to inform the general public about: General and commercial pollution; Methods for treating and monitoring rural and agricultural runoff; Recycling and precycling (purchasing products with minimum, recyclable packaging); Marine litter; Household trash and disposal; Urban runoff; Water quality standards; Affordable pollution control technologies and practices; Environmentally safe household chemical use and disposal practices; Yard waste composting; Applicable civil and criminal penalties for environmental degradation; Water quality issues related to the IHNC; Proper use of pesticides, fertilizers, herbicides; and Functions and need for healthy wetlands (uplands, swamps, and marshes).	3.1.4; 3.1.5; 3.2.2; 3.2.3; 3.2.4; 3.2.6; 3.2.10
Objective I	B. Develop and/or distribute materials to inform the business community about Economic value of sound environmental practices; Consumer recycling incentive programs; Commercial/Industrial waste recycling incentives.	Not identified as a priority issue for 2026 CCMP
Objective I	C. Develop and/or distribute materials to inform landowners about: Environmental protection rights and responsibilities; Environmental aspects of public access laws.	Not identified as a priority issue for 2026 CCMP
Objective II	Increase availability of appropriate educational materials to all residents of the Basin.	n/a
Objective II	A. Initiate an advertising campaign to focus attention on the Basin and Lake.	3.1.1; 3.1.2; 3.1.3; 3.1.7
Objective II	B. Form and coordinate a speakers program; gather Information on good speakers; publicize speakers program through media.	3.1.6; 3.2.1
Objective II	C. Involve governmental officials and agencies.	3.2.10; 3.2.11
Objective II	D. Develop public service announcements, videos, and slide shows for public presentation.	3.2.1; 3.2.6
Objective II	E. Develop a video on Lake Pontchartrain (problems and solutions); develop resource packet with video for school/civic groups.	Not identified as a priority issue for 2026 CCMP
Objective II	F. Establish museums and interpretive centers on North and South Shores in cooperation with existing facilities.	Not identified as a priority issue for 2026 CCMP

1995 CCMP EDUCATION/PUBLIC PARTICIPATION		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Objective II	G. Erect shelters with educational information and mini nature centers on public access trails, e.g., the Wildlife and Fisheries Museum in Kenner, Turtle Cove Environmental Research Station, and The Swamp Walk at Joyce Wildlife Management Area.	2.3.4; 3.1.3; 3.2.5
Objective II	H. Continue Turtle Cove Environmental Research Station teacher workshops.	Not identified as a priority issue for 2026 CCMP
Objective II	I. Improve signage on Lake and tributaries regarding safety of swimming.	3.3.3; 3.3.5
Objective II	J. Publicize the following existing programs: storm drain stenciling program, citizen monitoring, natural lawn care, and BMP education for local government officials.	Not identified as a priority issue for 2026 CCMP
Objective II	K. Disseminate litter control information.	Not identified as a priority issue for 2026 CCMP
Objective II	L. Establish a hotline that provides information on maintenance of rural waste treatment systems.	3.2.10; 3.1.5
Objective II	M. Promote LNSC's Recycle New Orleans educational program.	Not identified as a priority issue for 2026 CCMP
Objective II	N. Pursue initiation of a uniform, standardized notification process for swimming and other recreational advisories from the state agencies.	Not identified as a priority issue for 2026 CCMP
Objective III	Promote grassroots public participation In Basin cleanup.	n/a
Objective III	A. Enlist volunteers, boats, and specific area coordinators for litter sweeps/garbage pickups.	3.1.11
Objective III	B. Develop a list of organizations/groups to participate in storm drain stenciling and litter cleanups.	3.1.11; 3.3.11
Objective III	C. Solicit local government assistance in organizing public participation.	3.2.11
Objective III	D. Promote public participation and cleanup programs	1.2.13; 3.1.11; 3.3.1; 3.3.10; 3.3.11

1995 CCMP EDUCATION/PUBLIC PARTICIPATION		RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Objective III	E. Reduce solid waste.	Not identified as a priority issue for 2026 CCMP
Objective III	F. Coordinate cleanup efforts of agencies, schools, citizen groups and business.	3.1.11; 3.3.10
Objective III	G. Create and support citizen watchdog groups.	Not identified as a priority issue for 2026 CCMP
Objective IV	Promote environmental education and grassroots involvement of Children in Basin cleanup.	n/a
Objective IV	A. Involve younger children in environmental projects. Sponsor contests on Lake Pontchartrain (essay, art, music, etc.) and get PTAs, schools, and scout troops involved.	3.2.8; 3.2.12
Objective IV	B. Expand existing educational programs and hands-on projects throughout the Basin.	3.1.11; 3.2.8; 3.2.12; 3.2.15; 3.3.6; 3.3.9; 3.3.10
Objective IV	C. Form a committee of educators to review existing science and environmental curricula. Adapt curricula to the needs of educators and students in the Basin.	Not identified as a priority issue for 2026 CCMP
Objective IV	D. Encourage use of curriculum guides.	3.3.10
Objective IV	E. Encourage development of educational materials that address environmental issues in the Basin for teachers.	3.2.8; 3.2.12; 3.3.10
Objective IV	F. Sponsor a Pontchartrain Basin oriented science fair.	Not identified as a priority issue for 2026 CCMP
Objective V	Promote environmental education and grassroots involvement of multicultural groups in Basin cleanup.	3.2.14; 3.3.1; 3.3.11

62 **2006 COMPREHENSIVE HABITAT**  
 63 **MANAGEMENT PLAN (CHMP) CROSSWALK**  
 64 **TABLES**

65 Please note that text related to 2006 Comprehensive Habitat Management Plan (CHMP) recommendations  
 66 was copied directly from the CHMP; no revisions were made.

67 **Table 4. Crosswalk of 2006 CHMP upland forest recommendations with actions included in**  
 68 **the 2026 Draft CCMP.**

<b>2006 CHMP RECOMMENDATION</b>	<b>RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES</b>
Develop an expanded outreach and education program to elevate awareness and support for restoration of upland forest habitats, in particular longleaf pine habitats and the importance of prescribed burns. This might include newsletter articles, field trips, and student programs.	2.2.1
Establish a Prescribed Fire Council that would bring together government, private interests, and NGO's to advise to maintain, promote, and increase the level of prescribed burns to enhance longleaf pine habitat in ways compatible with modern society	Prescribed Fire Council has been established.
The total area recommended for longleaf forest restoration is approximately 150,000 acres	2.2.3
Two or three existing longleaf pine flatwood/savannah habitats conservation areas should be selected for expansion with a target of a minimum size of 5,000 acres	2.2.3; 2.2.10
One or two rural areas within the longleaf pine flatwood/savanna habitat ranges should be targeted as modest-sized restoration projects for conservation, located such that regular managed burns could occur with acceptable impact to nearby residents.	2.2.3; 2.2.10
Two large-scale conservation areas are proposed to be established to restore and manage upland longleaf pine forest/woodland systems. The areal extent is recommended to be 50,000 acres each.	2.2.3; 2.2.10

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Indigenous, non-longleaf habitats should be inventoried in the Upland Sub-basin. The ecologic value and rarity should be assessed for these habitats.	Extensive data sets on forest conditions are now available from the US Forest Service <sup>1</sup>
Integrate and expand restoration initiatives for the red-cockaded woodpecker, gopher tortoise and other rare and endangered species indigenous to the forested uplands of the Upper Sub-basin.	2.2.10 The CCMP Issue Report documents recent developments in conservation for the red-cockaded woodpecker.

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**Table 5. Crosswalk of 2006 CHMP Upland Riverine recommendations with actions included in the 2026 Draft CCMP.**

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
A complete assessment of active sand and gravel mining operations should be completed as soon as possible; including at least, vegetation surveys and studies of the hydrologic modification, soil chemistry and water quality effects.	2.2.6
Historical mining sites should be assessed within three years for their environmental impact such as water quality and fish and wildlife. A priority list of project sites should be selected for remediation including those sites which can best improve stream quality and restore indigenous flora and fauna.	2.2.6
Active mining operations and practices should be evaluated to develop BMP's and, if necessary, additional regulations to protect natural habitats. Mitigation should be considered where impacts occur due to mining operations, especially if these impacts extend beyond the footprint of the mine	BMPs are now available for the sand and gravel mining industry <sup>2</sup>
Freshwater mussels should be inventoried on the Amite, Comite, and Tangipahoa Rivers	2.2.4

<sup>1</sup> More information can be accessed via the following link: <https://data.fs.usda.gov/geodata/maps/index.php>

<sup>2</sup> More information can be accessed via the following link: [https://www.wlf.louisiana.gov/assets/Conservation/Maintaining\\_Natural\\_Scenic\\_Rivers/Files/LDEQ\\_recommended\\_BMPs\\_sand\\_and\\_gravel\\_mining.pdf](https://www.wlf.louisiana.gov/assets/Conservation/Maintaining_Natural_Scenic_Rivers/Files/LDEQ_recommended_BMPs_sand_and_gravel_mining.pdf)

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
A plan to re-establish mussels in the Amite, Tangipahoa, and Bogue Chitto Rivers should be developed as part of the state’s Wildlife Conservation Plan	2025 Louisiana Wildlife Action Plan calls for implementation of the federal recovery plan for the Inflated heelsplitter ( <i>Potamilus inflatus</i> ).
The need for regulations to protect freshwater mussels in the Pontchartrain Basin from recreational musseling should be evaluated	Recreational musseling is not identified as a threat to freshwater mussels in the 2025 Louisiana Wildlife Action Plan.
A conservation area should be established on the Amite River where inflated heelsplitter mussels ( <i>Potamilus inflatus</i> ) are still present to protect this remaining mussel population for future public outreach and research	2025 Louisiana Wildlife Action Plan calls for implementation of the federal recovery plan for the Inflated heelsplitter ( <i>Potamilus inflatus</i> ).
Procedures should continue to de-authorize the Pearl River Navigation Project as quickly as possible.	Not within PRP boundary
The Poole Bluff sill on the Pearl River and the sill on the Bogue Chitto River should be removed, on the condition that the potential for remobilization of contaminated sediment is evaluated and deemed to have acceptably low risk.	Not within PRP boundary
Disposal of sewage sludge into abandoned pits or lakes should not generally be permitted, but where allowed, applicable permits for air, solid waste, hazardous waste and water quality must be approved	This activity is no longer allowed in Louisiana.
Re-establishment of canebrake habitat along reaches of the Amite and Comite Rivers	Was not identified as an action for 2026 CCMP.

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**Table 6. Crosswalk of 2006 CHMP Upland Sub-Basin Lake Maurepas and adjacent wetlands recommendations with actions included in the 2026 Draft CCMP.**

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Mississippi River Re-introductions in the Upper Sub-basin: <ul style="list-style-type: none"> <li>• River Reintroduction into Maurepas Swamp</li> <li>• River Reintroduction into Blind River Basin</li> <li>• Bayou Manchac and Fountain Bayou</li> </ul>	2.1.13  River Reintroduction into Maurepas Swamp is under construction
Amite River Diversion Canal Bank Gapping Project	One project has been completed and another is underway.
South Slough Hydrologic Restoration	City of Hammond implemented a wetland assimilation project in the area.
Shoreline protection in Lake Maurepas	2.1.7
Alligator Snapping Turtle Protection	Was not identified as an action for 2026 CCMP.
Develop a plan to re-introduce the ivory-billed woodpecker ( <i>Campephilus principalis</i> ) to its native range within the Pontchartrain Basin	Declared extinct by USFWS in 2021
Beneficial use of treated sewage effluents	1.1.2

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**Table 7. Crosswalk of 2006 CHMP Middle Sub-Basin Lake Pontchartrain and adjacent wetlands recommendations with actions included in the 2026 Draft CCMP.**

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Mississippi River Re-introductions: <ul style="list-style-type: none"> <li>• River Reintroduction Frenier wetlands (west of Bonnet Carre' Spillway)</li> <li>• River Reintroduction into the Bayou Trepagnier wetlands (east of Bonnet Carre' Spillway)</li> <li>• River Reintroduction into the Bonnet Carre' Spillway wetlands</li> <li>• River Reintroduction into the Bayou LaBranche wetlands (east of Bonnet Carre' Spillway)</li> </ul>	2.1.13; 2.1.14

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Restoration of the Littoral shoreline – Orleans Parish	2.1.6; 2.1.7
Restoration of the Littoral shoreline – Jefferson Parish	2.1.6; 2.1.7
Restoration of the Littoral shoreline – St. Tammany	2.1.6; 2.1.7
Bayou St. John Restoration - restore some estuarine function to Bayou St. John including altering the hydrology and increasing habitats of marsh, forested wetlands, and SAV	Bayou St. John Urban Marsh was established in 2013
LaBranche Marsh Creation	LaBranche East Marsh Creation has been constructed by CWPPRA
Goose Point/Pointe Platte Marsh Creation PO-33	Project has been completed
Artificial Reefs	2.1.4; 2.1.11 LDWF notes that nine artificial reefs now exist in Lake Pontchartrain
East Orleans Landbridge	Three restoration projects are completed or in process on the East Orleans Landbridge
Highway 90 Cutoff Impoundment - improve water quality	Was not identified as an action for 2026 CCMP.
Lake Pontchartrain Shoreline Protection Irish Bayou to Chef Menteur Pass - expand shoreline protection from Point aux Herbes to Chef Menteur Pass	2.1.6; 2.1.7 Irish Bayou Living Shoreline is in Engineering and Design
Inner Harbor Navigation Canal Sill	No longer needed as MRGO has been closed.
Bayou Sauvage National Wildlife Refuge - restore some level of aquatic access between Lake Pontchartrain and the western, impounded side of the refuge	2.1.3

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Big Branch Marsh National Wildlife Refuge - the acquisition of undeveloped wetlands and ridges within the acquisition boundary and expansion of the boundary eastward to the Pearl River to make a refuge corridor to the state-managed Pearl River Wildlife Management Area	Outside of the PRP boundary.
Lake Pontchartrain Sanctuary - ban on trawling should continue but in addition all other commercial net fishing should be prohibited, expand to include some of the wetland perimeter around Lake Pontchartrain, which would include a ban on commercial crabbing, implement a derelict crab trap removal program and include Lake St. Catherine.	Lake Catherine and Lake Pontchartrain Sanctuary established in 2024.
Brazilier Island (near Chef Menteur Pass) Conservation Opportunity	Part of the island is now within the Bayou Sauvage NWR.
Implement accelerated and sustained programs to reduce the invasive Chinese tallow ( <i>Sapium sebiferum</i> ) trees from all refuges or wildlife management areas	2.3.22; 2.3.23
Implement a permanent ban on commercial shell dredging in Lake Pontchartrain	Shell-dredging operations were banned in 1990
Re-establish nesting of Bald Eagles ( <i>Haliaeetus leucocephalus</i> ) around the perimeter of Lake Pontchartrain by use of nesting platforms	Was not identified as an action for 2026 CCMP.
Re-establishment of bison (American Buffalo – <i>Bison bison</i> ) within the Middle Sub-basin.	Was not identified as an action for 2026 CCMP.
Continued improvement in sewerage and stormwater systems of along both the north and south shores of Lake Pontchartrain.	1.1.1; 1.1.3; 1.1.5
Reduce nutria ( <i>Myocastor coypus</i> ) populations such as the CWPPRA program of bounties on nutria.	Was not identified as an action for 2026 CCMP.

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**Table 8. Crosswalk of 2006 CHMP Lower Sub-Basin Lake St. Bernard and Plaquemines parishes recommendations with actions included in the 2026 Draft CCMP.**

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Re-establishment of Bayou la Loutre ridge	MRGO has been closed, continuous barrier re-established

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Violet Siphon - A new siphon located at Violet utilizing the Violet canal should be evaluated for potential reintroduction to achieve the baseline conditions including the salinity reduction of a constriction of the MRGO to ICW dimensions at Bayou la Loutre and considering that reintroductions in the Upper and Middle Sub-basins may incidentally freshen the Lower Sub-basin	2.1.1 Central Wetlands Diversion
Additional recommended projects related to the MRGO:	MRGO has been closed
Caernarvon Freshwater Diversion - outfall management to increase volume of reintroduced river water east of Bayou la Loutre and Bayou Terre aux Boeufs, and management plan should incorporate spring flows (April – June)	2.1.1
The White Ditch Resurrection and Outfall Management project approved for Phase I under CWPPRA PPL 14 is recommended for construction	This project was deauthorized.
Armoring of two shorelines would maintain separation from Eloi Bay and Lake Eloi, and from Lake Eloi and Lake Athanasio	2.1.6; 2.1.7
Delta crevasses	Additional crevasses created under Pass a Loutre Crevasses NRDA project
Benney's Bay Diversion	This project was deauthorized
Bayou Lamoque Freshwater Diversion	This project was deauthorized.
Mississippi River Sediment Trap (MR-12) and use of sediment to restore areas around Lake Lery, between Bertrandville and Phoenix, and Bayou Lamoque.	This project was deauthorized.
Delta Management Study. Large scale alteration of the Mississippi River channel or passes for the benefit of navigation or of environmental restoration	The Mississippi River Hydrodynamic and Delta Management Study was completed and produces a number of reports. Additional studies are underway as part of the Mississippi River Delta Transition Initiative <sup>3</sup>

81

<sup>3</sup> More information can be accessed via the following link: <https://missdelta.org/>

82 **Table 9. Crosswalk of 2006 CHMP research and data needs recommendations with actions**  
 83 **included in the 2026 Draft CCMP.**

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Annual Dead Zone Mapping-The annual or seasonal cycles of the development and impact of saltwater stratification in Lake Pontchartrain need to be documented and reported to local fishermen and the scientific community.	Was not identified as an action for 2026 CCMP. Saltwater stratification reduced after MRGO closure.
Economics of Coastal Wetland Forests. The value of bald cypress forests to reduce storm surge impacts or reduce subsidence is unknown. The potential economic value of ecotourism, and sustainable hunting and fishing should also be examined. Included in this is the economic value of summer homes and camps already common and expanding on the fringe of many swamps.	Was not identified as an action for 2026 CCMP. Some information included in 2023 Coastal Master Plan.
Fish Assemblage Research. Further research is needed to determine shifts in fish assemblage and identification of related stressors affecting in Lake Pontchartrain.	Was not identified as an action for 2026 CCMP
Bathymetry of Lakes and Passes–Lake Pontchartrain bathymetry was generally acquired from 1860 to 1890 using obsolete equipment and standards. Bathymetry has changed due to enlargement of lakes and passes, relative sea-level rise and numerous other influences	Was not identified as an action for 2026 CCMP
Barrier Island Ecology - Breton and Chandeleur Sound estuarine ecology is not well understood or documented	2.1.9
Rangia clams in St. Bernard and Plaquemines Parishes. Rangia clams or other bivalves are understudied in St. Bernard and Plaquemines Parishes. The extent, habitat range and predation of bivalves and their effect on water quality in the Lower Sub-basin portion of the Pontchartrain Basin may play important role in the estuarine ecology	Was not identified as an action for 2026 CCMP
Natural Oyster Reefs - Ecology and structure of natural, historic oyster ( <i>Crassostrea virginica</i> ) reefs in St. Bernard Parish should be studied for their physical and biological roles in the marsh, such as in the historic reefs in the Biloxi marsh.	2.1.4; 2.1.9
MRGO Habitat-Basic biological and water quality characterization should be undertaken to assess MRGO habitat value and its impact on the surrounding estuary including commercial species such as shrimp, crab and oyster.	MRGO has been closed.

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
Accelerated Wetland Loss - The processes or causes of accelerated wetland loss in the Pontchartrain Basin need to be identified as quickly as possible.	Many studies have been conducted. Process understanding included in models for coastal master plan.
Non-commercial species in St. Bernard and Plaquemines Parishes- Study of the ecology and interaction of non-commercial and non-game species, such as birds and fish, in St. Bernard and Plaquemines Parishes should be undertaken.	Was not identified as an action for 2026 CCMP
Blue crab ( <i>Callinectes sapidus</i> ) in Lake Pontchartrain– The impact of anoxia or hypoxia on blue crab ecology and fishery in Lake Pontchartrain has not been examined although it is likely be occurring annually.	Was not identified as an action for 2026 CCMP. Stratification reduced after MRGO closure.
West Indian Manatee ( <i>Trichechus manatus</i> ) - Migratory patterns and activity of manatee ( <i>Acipenser oxyrinchus desotoi</i> ) into the Pontchartrain Basin have been poorly studied for these endangered species.	Was not identified as an action for 2026 CCMP
Rio Grande Cichlid ( <i>Cichlasoma cyanoguttatum</i> ) – The potential ecologic threat to the Pontchartrain Basin by the Rio Grand Cichlid should be investigated since it has been identified in local drainage canals.	Working Group indicated this was not an important issue
Striped Bass ( <i>Morone saxatilis</i> ) and Gulf sturgeon ( <i>Acipenser oxyrinchus</i> ) – The potential for expanding native striped bass and other anadromous species populations within the north shore streams and Lakes Pontchartrain and Maurepas should be examined due to their decline and importance for recreation or commercial fishing.	Was not identified as an action for 2026 CCMP. Gulf sturgeon are classified as threatened under the Endangered Species Act and, as such, NOAA is investing significant resources researching them in the Pontchartrain Basin
Sea Turtles on Barrier Islands - Impact to sea turtle nesting sites should be examined because of significant impacts by recent storm impacts to the Chandeleur Islands and other nesting sites.	Sea turtles now successfully nesting.
Hydrologic Modeling – Modeling is needed to test the hydrologic feasibility of salinity control and management by the freshwater diversions and hydrologic restoration of Bayou la Loutre at the MRGO breach.	Models are now widely available. Was not identified as an action for 2026 CCMP

2006 CHMP RECOMMENDATION	RELEVANT 2026 DRAFT CCMP ACTIONS AND NOTES
<p>Poorly Planned Growth - While we generally know that poorly planned growth negatively affects the Pontchartrain Basin’s water quality and habitats, there is a need to quantify these impacts. Examples include: how does the percent of impervious cover (sidewalks, roads, roofs, etc.) from new development impact water quality due to increased runoff loads?; how much riparian habitat is being impacted by development?; what kinds of wetlands are being developed, are they in the coastal zone?</p>	<p>1.1.8; 1.2.11; 1.2.12; 1.2.14; 2.2.11; 2.2.12; 2.2.13</p>
<p>Biotic hotspots. - These habitats need to be identified and mapped in a GIS framework. The importance of such hotspots needs to be communicated through public education.</p>	<p>2.1.9</p>
<p>Copper contamination in Lake Pontchartrain- Identification of the source of reported copper in Lake Pontchartrain and nearby waterways leading to water body “not supporting” classification for fish and wildlife</p>	<p>Was not identified as an action for 2026 CCMP</p>
<p>Sand and Gravel Mine Impact - Hydrologic, ecologic, water quality and geomorphic studies need to be conducted to understand the long-term alterations to streams and rivers in the Upland Sub-basin due to sand and gravel mining operations.</p>	<p>2.2.4; 2.2.6; 2.2.7</p>
<p>Subsidence and Relative Sea-level Rise – Precise measurement of actual land subsidence and the net rate of relative sea-level rise is needed to accurately forecast future conditions with or without restoration projects</p>	<p>Updated subsidence values released for 2025 by CPRA.<sup>4</sup></p>
<p>Habitat Inventory – A ten-year reoccurring habitat inventory should be conducted for the entire Pontchartrain Basin</p>	<p>2.1.9; 2.2.4</p>

<sup>4</sup> More information can be accessed via the following link: <https://cims.coastal.la.gov/RecordDetail.aspx?Root=0&sid=26794>

