

CPRA

Operations Division Project Inspections



Coastal Protection and Restoration Authority

Single state entity with authority to articulate a clear statement of priorities to achieve comprehensive coastal protection for Louisiana.

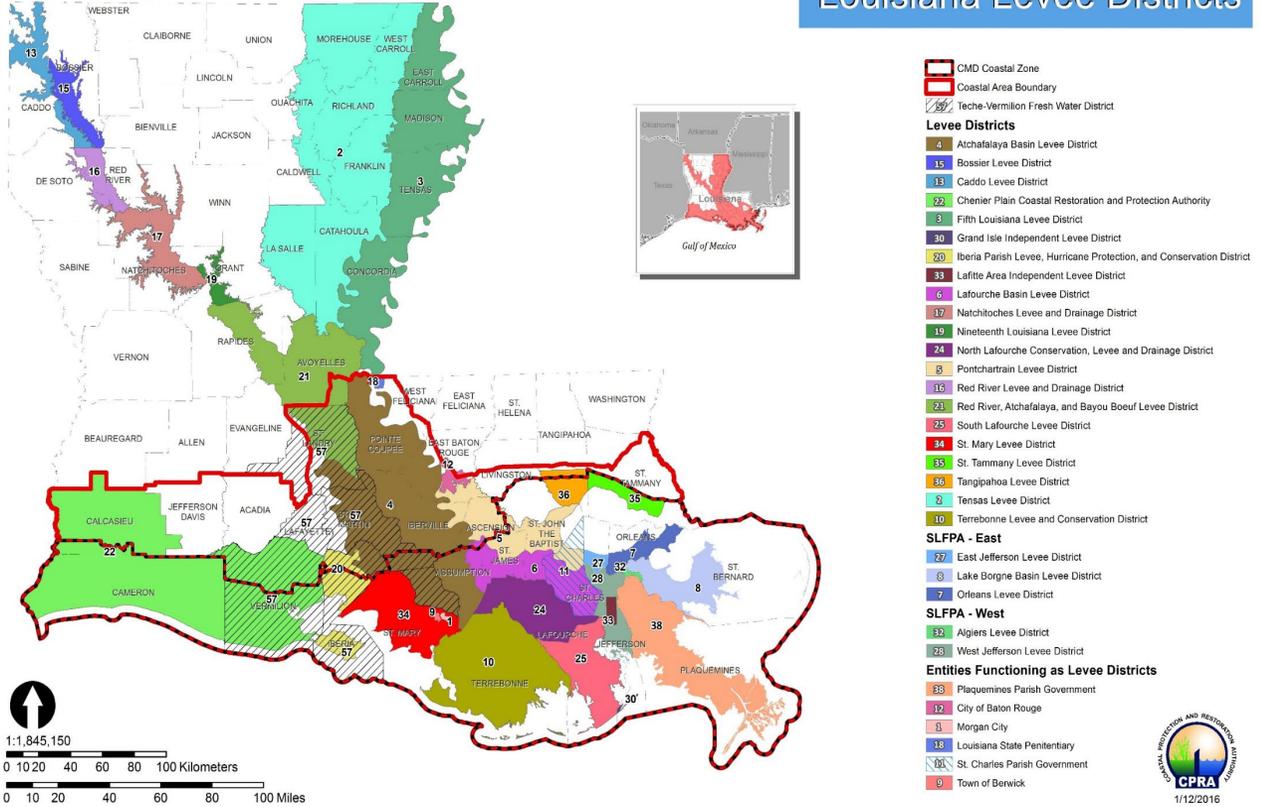
Mandate is to develop, implement, and enforce a comprehensive coastal protection and restoration master plan.



Operations - Duties and Functions

- STATE AUTHORITY FOR COASTAL ZONE LEVEES AND RESTORATION
- DESIGN, CONSTRUCTION, AND OPERATIONS, MAINTENANCE, REPAIR, REHABILITATION, AND REPLACEMENT (OMRR&R) OF PROJECTS
- MONITORING OF PROJECTS
- COAST-WIDE REFERENCE MONITORING SYSTEM (CRMS)
- EMERGENCY SUPPORT FUNCTION (ESF-3) FOR GOHSEP

Louisiana Levee Districts

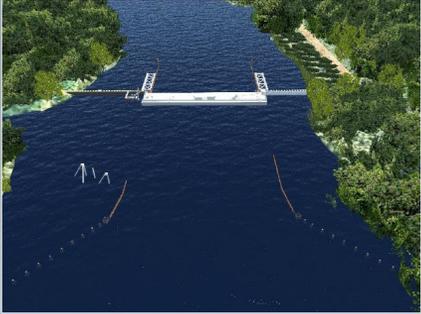


Coastal Levees

Design

- Design and Feasibility Report
- Plans and Specifications
- Water Control Documents
- OMRR&R Manuals

BAYOU CHENE FLOOD PROTECTION STRUCTURE
St. Mary Levee District
Final Design Report (Revision 0)
November 14, 2019



Prepared For:



Prepared By:



APTIM
Environmental & Infrastructure, LLC

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

ME&A

FINAL
Mary C. Danka
LA LICENSE NO. 22424



Coastal Levees

Construction

- Construction Progress Meetings
- Review Submittals
- Review Modifications / Change Documents
- Construction Inspections
- Develop Project Punch Lists
- As-Built Review
- Project Turnover to Local Sponsors



Coastal Levees

OMRR&R

- Quarterly Inspections
- Semi-Annual Reports
- Levee Inspector Training and Certification
- Levee Centerline Surveys
- Technical Assistance
- Damage Assessments



Coastal Levees

Inspection and Reporting

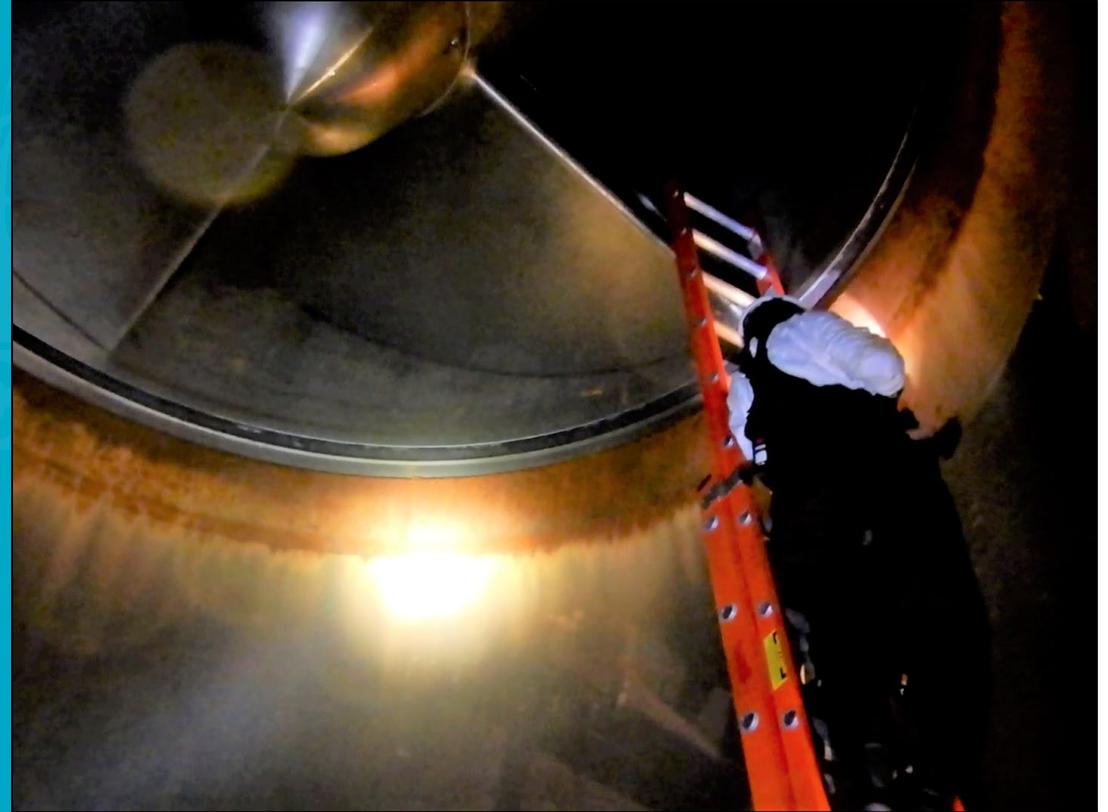
- Flood Control Regulations (33 CFR 208.10)
 - Quarterly Inspections
 - Semi-Annual Reports
- Rehabilitation Program (PL 84-99)
 - Initial Eligibility Inspections
 - Routine/Annual Inspections
 - Periodic Inspections
 - Damage Assessments



Coastal Levees

Technical Assistance

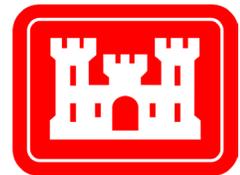
- Local Government Liaisons
- CIMS – Coastal Information Management System
 - LIMS – Levee Information Management System
 - HGMS – Hurricane Gage Monitoring System
- Survey – C4G Real Time Network
- Levee Design, Monitoring, Testing, and Survey Assistance



Coastal Levees

Levee Letters of No Objection

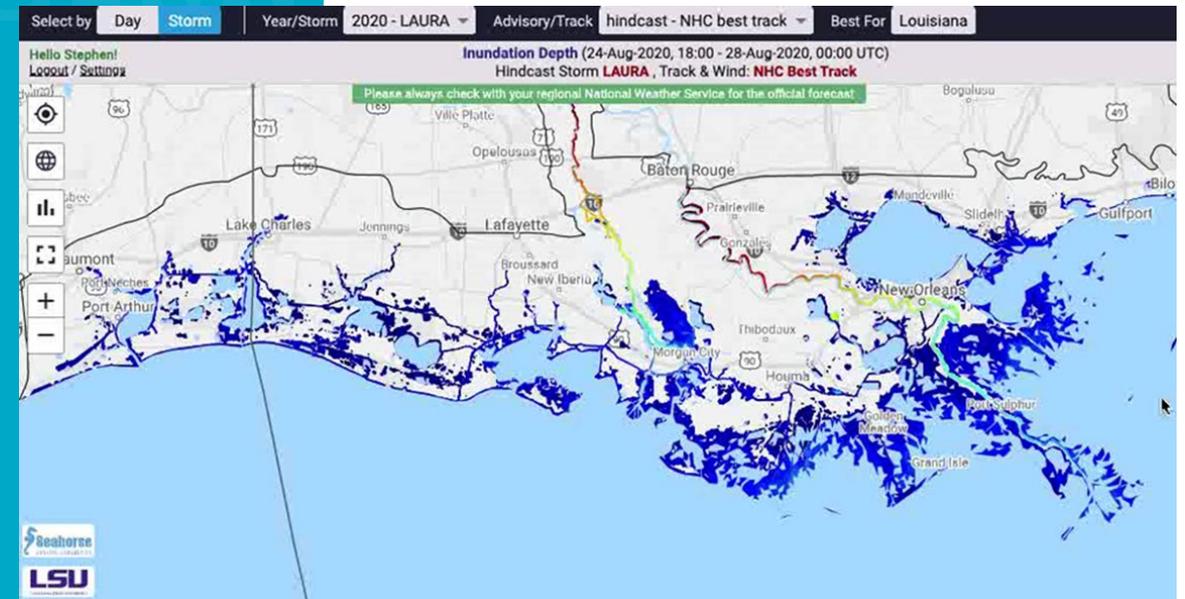
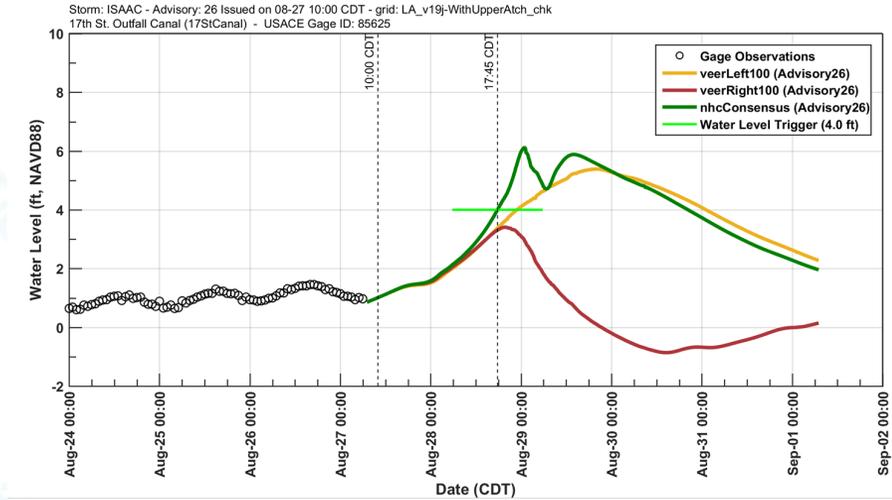
- Coastal Levee Administrative Authority
- Risk Reduction for Life and Property
- In coordination with USACE and Local Levee District or Local Government
- Construction/Modification/Access within 1,500 feet of the MRL and 300 feet of a Hurricane Levee
- USACE and CPRA Issues Letter of No Objections
- Local Levee District Final Approval of Process



Coastal Levees

ESF-3 for GOHSEP

- Local Levee District Emergency Preparedness
- LIMS – Gate Status
- HGMS – Surge Monitoring
- Direct - ADCIRC Surge Guidance System (ASGS)
 - During Hurricane Season On Call – Monitor Daily
 - During a Tropical Cyclone Event 24/7 On Call to Assist Local Levee District with Gate Closures
- Emergency Acquisition Technical Assistance
- Advise CPRA – Expectative Director and the Governor's Office of Coastal Affairs – Chairman of the Board



Project Inspections



Project Inspections

Levees

- Construction Site Visits
- OMRR&R Inspections
- Technical Assistance Site Visits
- Post-Damage Assessments

Restoration Projects

- Construction Site Visits
- O&M and Monitoring Inspections



Construction Site Visits

West Shore Levee Project (WSLP)



OMRR&R Inspection

Inspection and Reporting

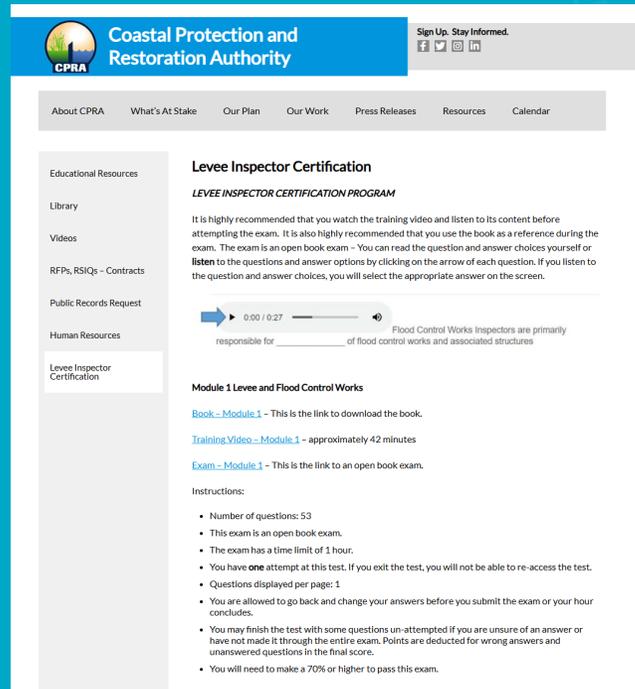
- Flood Control Regulations (33 CFR 208.10)
 - Quarterly Inspections
 - Semi-Annual Reports
- La. R.S. 49:214.6.3 Hurricane Protection and Flood Control
 - Every 5 years or post-impact from a storm
- Rehabilitation Program (PL 84-99)
 - Initial Eligibility Inspections
 - Routine/Annual Inspections
 - Periodic Inspections
 - Damage Assessments



OMRR&R Inspection

Online Training and Certification

- Resource for Levee Districts – La. R.S. 38:301
- <https://coastal.la.gov/resources/levee-inspector-certification/>



The screenshot displays the CPRA website's "Levee Inspector Certification" page. The header includes the CPRA logo and navigation links such as "About CPRA", "What's At Stake", "Our Plan", "Our Work", "Press Releases", "Resources", and "Calendar". A sidebar on the left lists various resources like "Educational Resources", "Library", "Videos", "RFPs, RSIs, Contracts", "Public Records Request", "Human Resources", and "Levee Inspector Certification". The main content area features a video player with a progress bar at 0:00 / 0:27. Below the video, there is a section for "Module 1 Levee and Flood Control Works" with links to a book, training video, and exam. A list of instructions follows, detailing the exam's structure and requirements.

Coastal Protection and Restoration Authority

Sign Up. Stay Informed.

About CPRA What's At Stake Our Plan Our Work Press Releases Resources Calendar

Levee Inspector Certification

LEVEE INSPECTOR CERTIFICATION PROGRAM

It is highly recommended that you watch the training video and listen to its content before attempting the exam. It is also highly recommended that you use the book as a reference during the exam. The exam is an open book exam - You can read the question and answer choices yourself or listen to the questions and answer options by clicking on the arrow of each question. If you listen to the question and answer choices, you will select the appropriate answer on the screen.

0:00 / 0:27

Flood Control Works Inspectors are primarily responsible for _____ of flood control works and associated structures

Module 1 Levee and Flood Control Works

[Book - Module 1](#) - This is the link to download the book.

[Training Video - Module 1](#) - approximately 42 minutes

[Exam - Module 1](#) - This is the link to an open book exam.

Instructions:

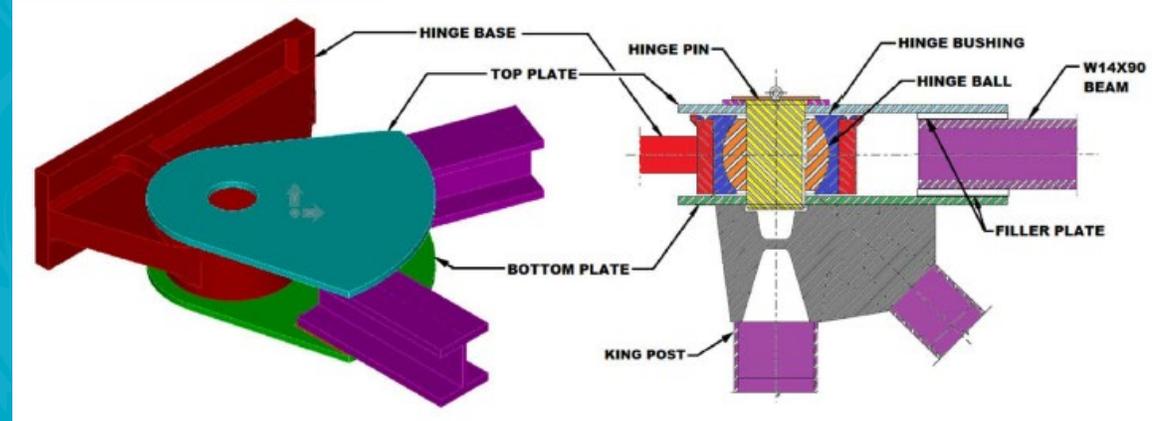
- Number of questions: 53
- This exam is an open book exam.
- The exam has a time limit of 1 hour.
- You have **one** attempt at this test. If you exit the test, you will not be able to re-access the test.
- Questions displayed per page: 1
- You are allowed to go back and change your answers before you submit the exam or your hour concludes.
- You may finish the test with some questions un-attempted if you are unsure of an answer or have not made it through the entire exam. Points are deducted for wrong answers and unanswered questions in the final score.
- You will need to make a 70% or higher to pass this exam.



Technical Assistance Site Visits

Caernarvon Floodgate

- Site visits with locals and USACE
- Gate Performs, trouble shooting O&M items



Post-Impact Inspections

Levees Coastal Area

- Inspects levee, flood protection, and integrated coastal protection projects throughout coastal Louisiana to protect lives and property as well as to ensure continued suitability of service
- Coordinates inspections with the appropriate local and federal authorities
- Where issues are found, makes requests to the USACE for federal assistance
- CPRA / USACE in current coordination for Assessment Processes



Restoration Construction

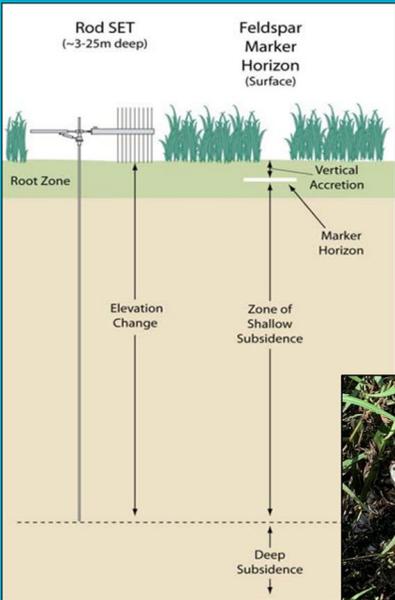
New Orleans Land Bridge Marsh Creation and Shoreline Stabilization



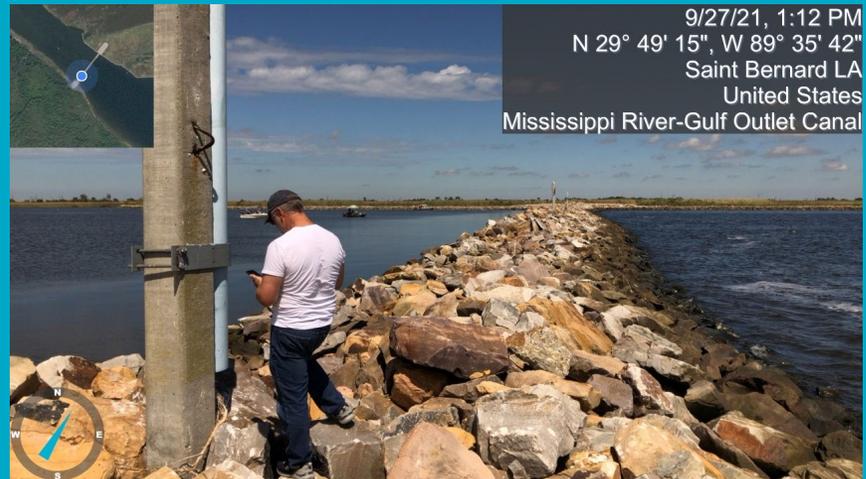
Restoration Project OM&M

Operations Maintenance and Monitoring

- Settlement/Subsidence
- Project Template/Elevation
- Water levels
- Vegetation



2025-06-02 01:16:05 PM
 3245971.82 m, 825015.01 m, 189.7°



9/27/21, 1:12 PM
 N 29° 49' 15", W 89° 35' 42"
 Saint Bernard LA
 United States
 Mississippi River-Gulf Outlet Canal



Thank You

