Coastal Restoration Project Overview, Delivery, and Implementation

2022 COASTAL INDUSTRY WEEK

WEBINAR SESSION 1

RUDY SIMONEAUX, CPRA CHIEF OF ENGINEERING

Overview

INDUSTRY DAY BACKGROUND AND HISTORY…..AND INDUSTRY WEEK

CPRA PROJECT DELIVERY

CONTRACTING OVERVIEW AND UPDATE

PAST AND CURRENT PROJECT SUCCESS

Coastal Industry Day

11 Years of Collaboration

PROJECT FORECASTING

INDUSTRY FEEDBACK

TECHNICAL DISCUSSIONS

COLLABORATION AND NETWORKING

PUTTING “A FACE TO A NAME”

CPRA-Coast Builders Coalition Coordination Meeting

LOCATION: Louisiana State Library, Capital View Room, Baton Rouge, LA **DATE:** September 7, 2011

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RICHARD SWEENEY	NOAA		

Coastal Industry *Week*

TECHNICAL WEBINARS ON COASTAL PROJECT DESIGN TOPICS

CPRA CONTRACTING OVERVIEW/"DOING BUSINESS WITH CPRA"

SEDIMENT DIVERSION PROGRAM UPDATE

BUSINESS-TO-BUSINESS NETWORKING EVENT

CONSTRUCTION PROJECT FORECAST/INDUSTRY BRIEFINGS

2022 CPRA COASTAL INDUSTRY WEEK

Coastal Industry Week Webinars

Session 1 – Tuesday, March 29 (12–1pm)

Coastal Restoration Project Overview, Delivery, and Implementation

Session 2 – Wednesday, March 30 (12–1pm)

Access and Logistical Constraints and Solutions for Marine Construction in Coastal Zone

Session 3 – Thursday, March 31 (12–1pm)

Coastal Restoration Project Geotechnical Analysis, Design, and Construction

Session 4 – Friday, April 1 (12–1pm)

Mid-Basin Sediment Diversion Program Update

Coastal Day 2022

Session 5 - Monday, April 4 (3–4:30pm)

Construction Project Forecast – Partner Projects

Session 6 - Tuesday, April 5 (3–4:30pm)

Construction Project Forecast – CPRA Projects

Business to Business Networking Event

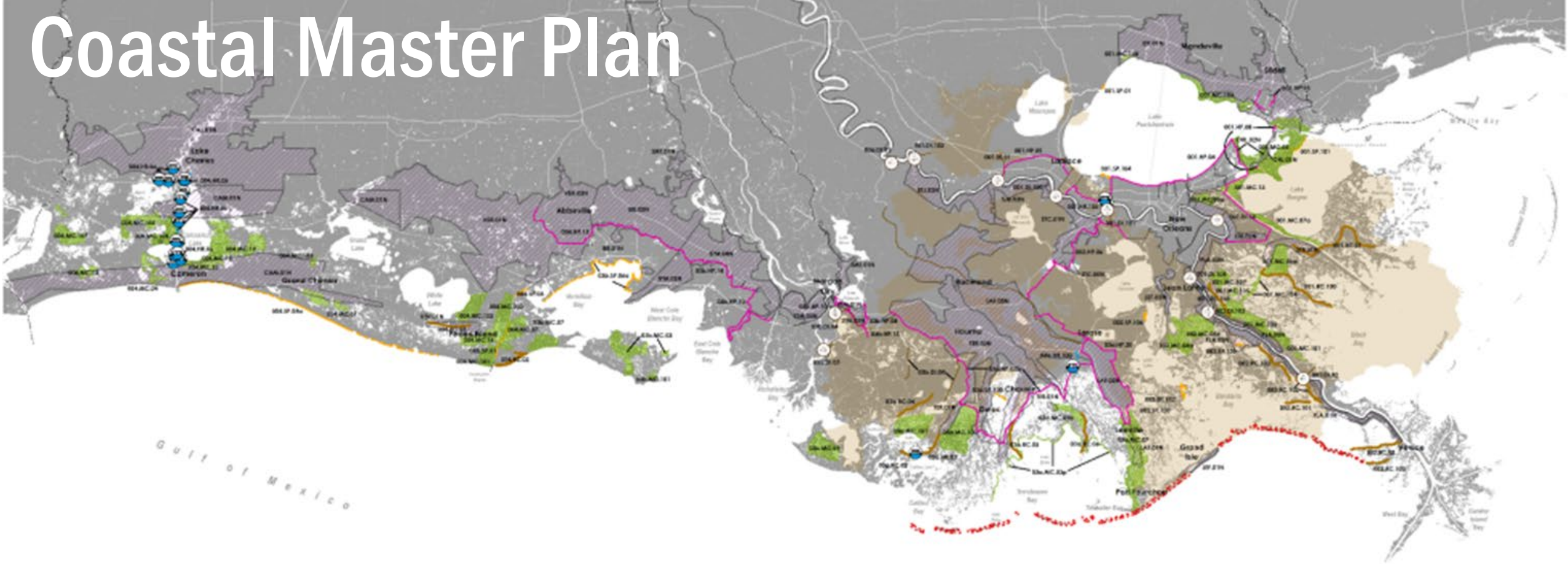
When: Tuesday, April 5

Time: 11:00am – 12:00pm

Where: LSU Center for River Studies

CPRA Project Delivery

Coastal Master Plan



PROJECT TYPES

Small scale hydrologic restoration and oyster reef/living shoreline projects are included programmatically in the 2017 Coastal Master Plan. Consistency of individual projects will be determined on a case-by-case basis.

N

0 5 10 20 Miles

COASTAL PROTECTION AND RESTORATION AUTHORITY
CPRA

Coastal Master Plan

$50B total funding

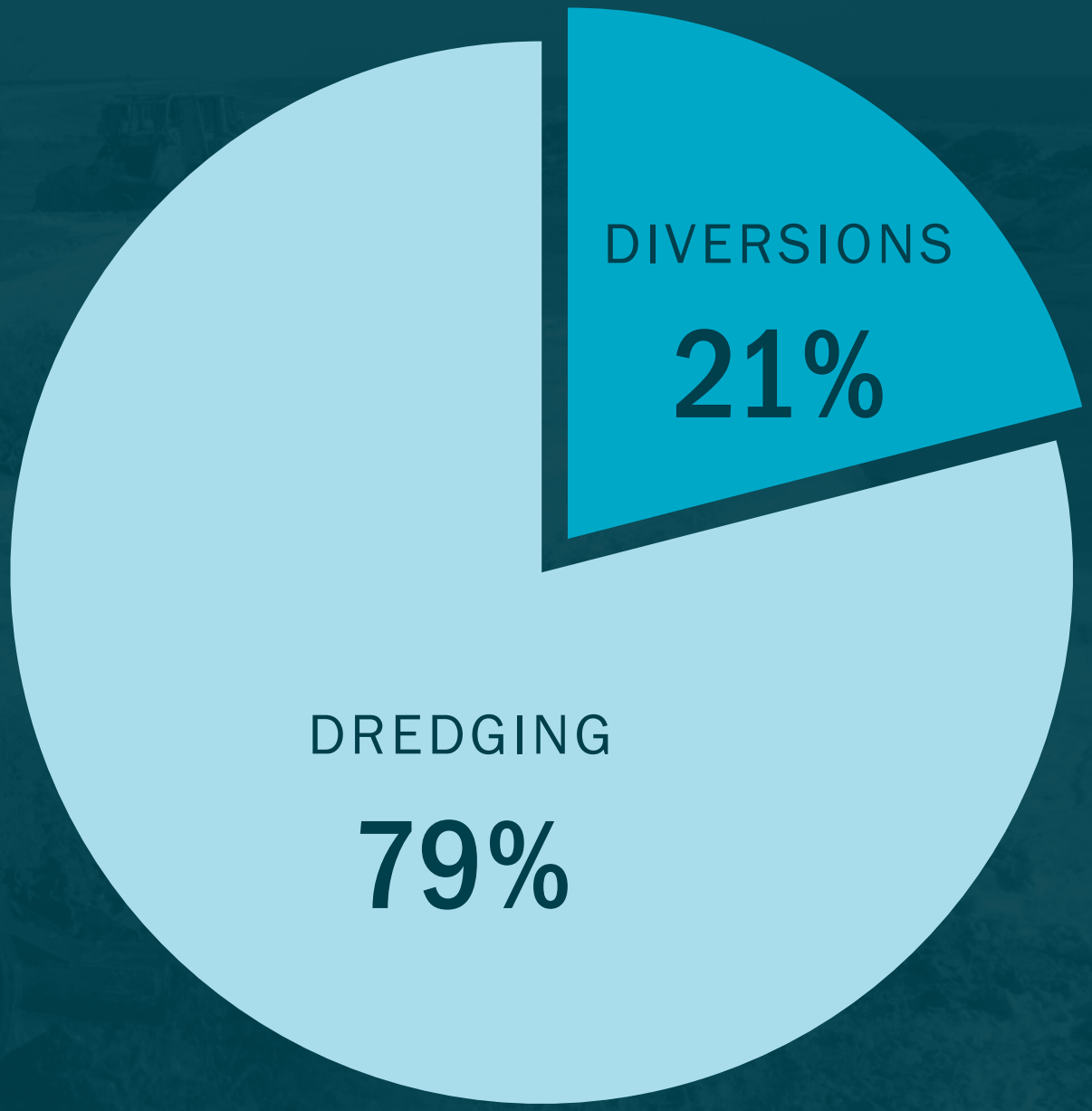
RESTORATION **$25B**

RISK REDUCTION **$25B**

Coastal Master Plan

SEDIMENT DELIVERY

$23.8B



101 Active Projects

PROJECT TYPE	33 CONSTRUCTION	60 E & D	8 PLANNING
Hurricane Protection (24)	14	4	6
Marsh Creation (43)	10	33	
Ridge Restoration (2)		2	
Shoreline Protection (8)		8	
Barrier Island/Headlands (5)	2	3	
Diversions (4)		4	
Hydrologic Restoration (4)	1	2	1
Oyster Barrier Reef (1)	1		
Recreational Use (5)	5		
Other (5)		4	1

Shoreline Protection

Queen Bess Island

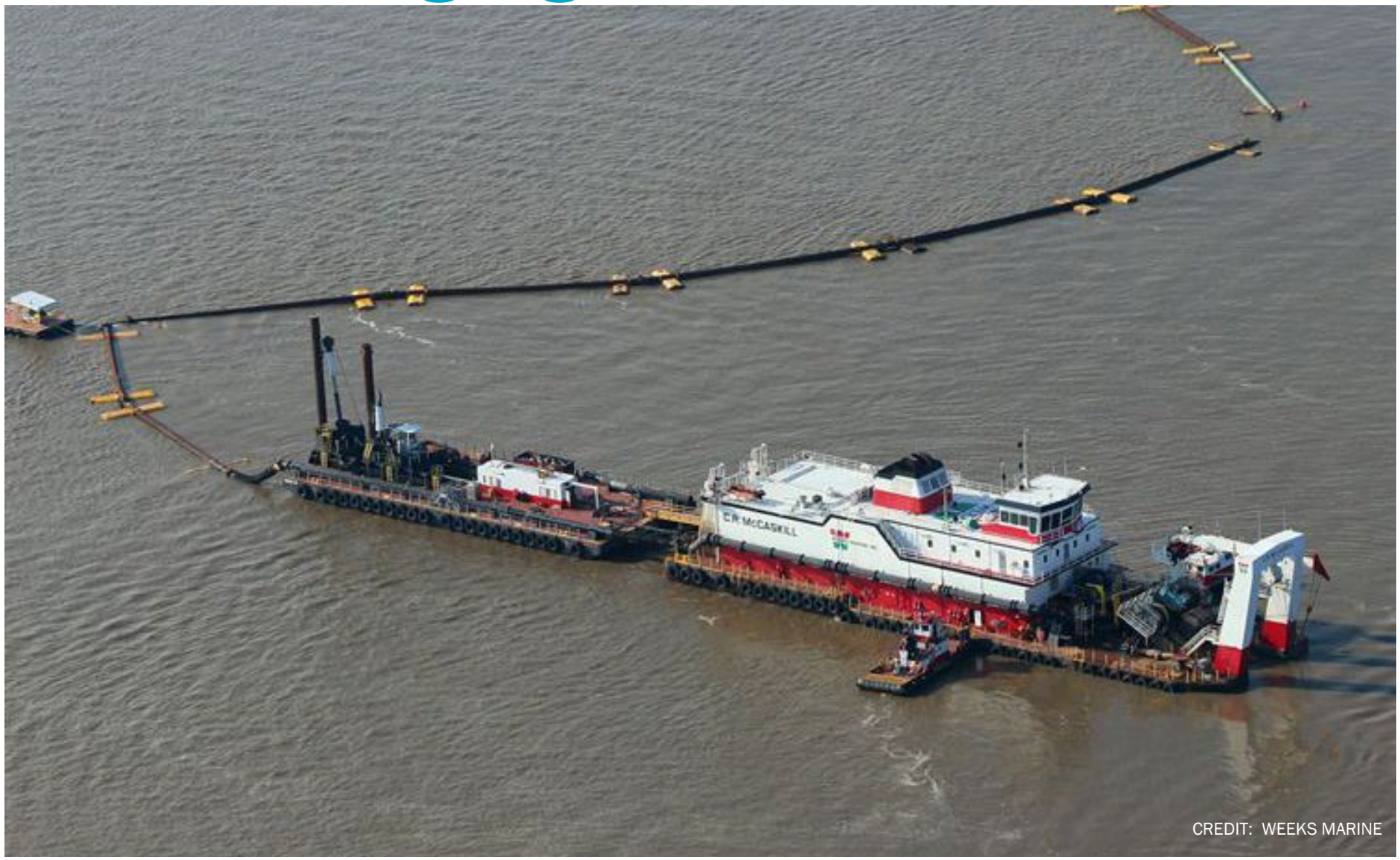
Rockefeller Wildlife Refuge Shoreline

Recreational Use Projects

Point Aux Chenes WMA Fishing Piers

Cypremort Point State Park Boardwalks

Hydraulic Dredging - Cutter Suction



CREDIT: WEEKS MARINE

Hydraulic Dredging - Cutter Suction

Barrier Island Restoration

Barrier Island Restoration

BARATARIA BASIN BARRIER SHORELINE (2010)

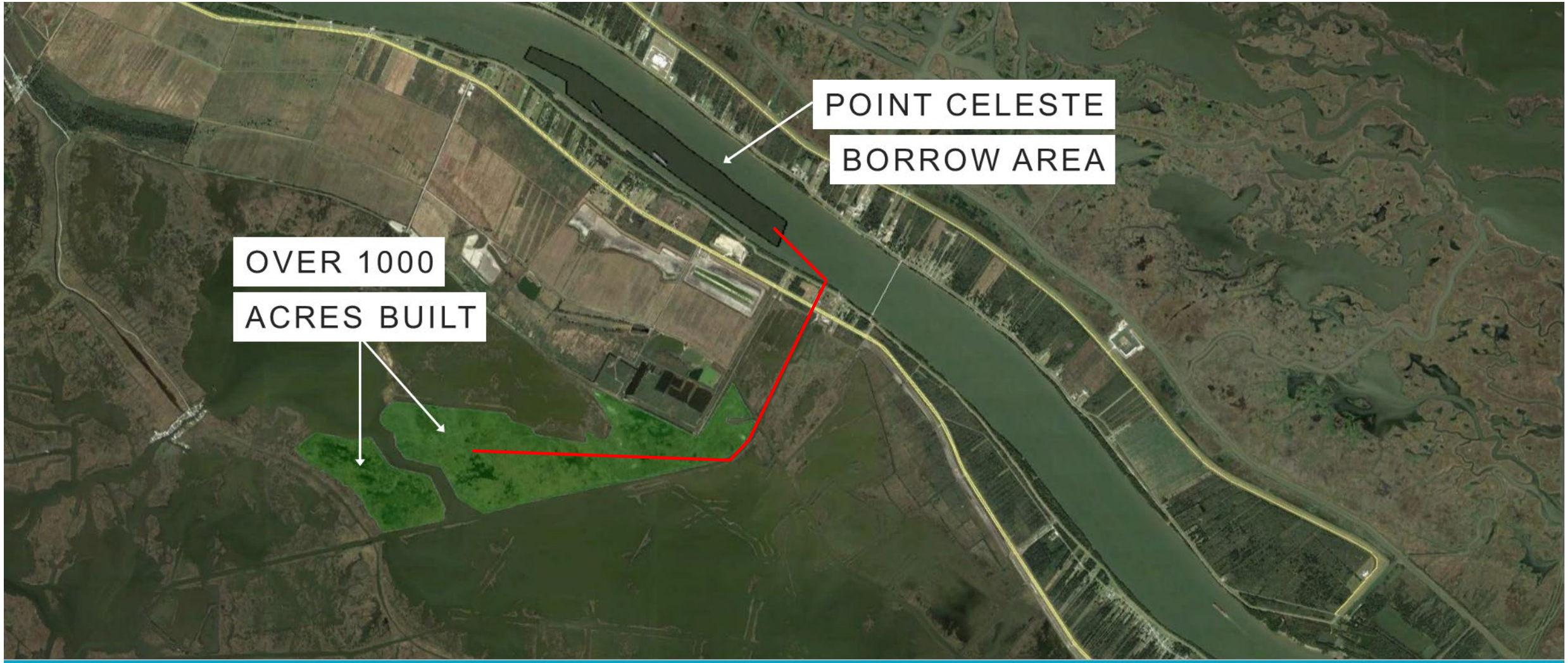
Barrier Island Restoration

BARATARIA BASIN BARRIER SHORELINE (2016)

SHELL ISLAND EAST

SHELL ISLAND WEST

Marsh Creation



LAKE HERMITAGE MARSH CREATION (CONSTRUCTED IN 2015)

Marsh Creation

Marsh Creation

LAKE HERMITAGE MARSH CREATION (CONSTRUCTED IN 2015)

Marsh Creation

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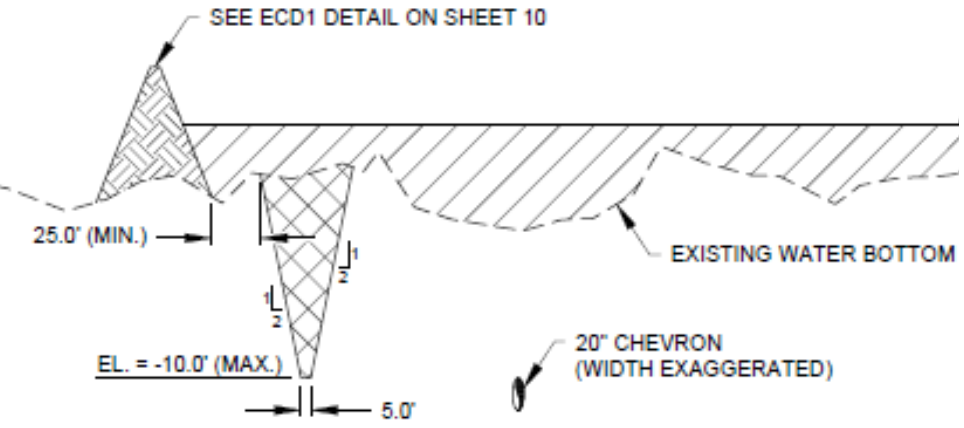
Marsh Creation

LAKE HERMITAGE MARSH CREATION (CONSTRUCTED IN 2015)

Earthen Containment Dikes



Caminada Headlands Back Barrier Marsh

CPRA Contracting Overview and Update

General Contracting Categories

CONSTRUCTION SERVICES

PROFESSIONAL SERVICES

CONSULTING SERVICES

LAND SERVICES

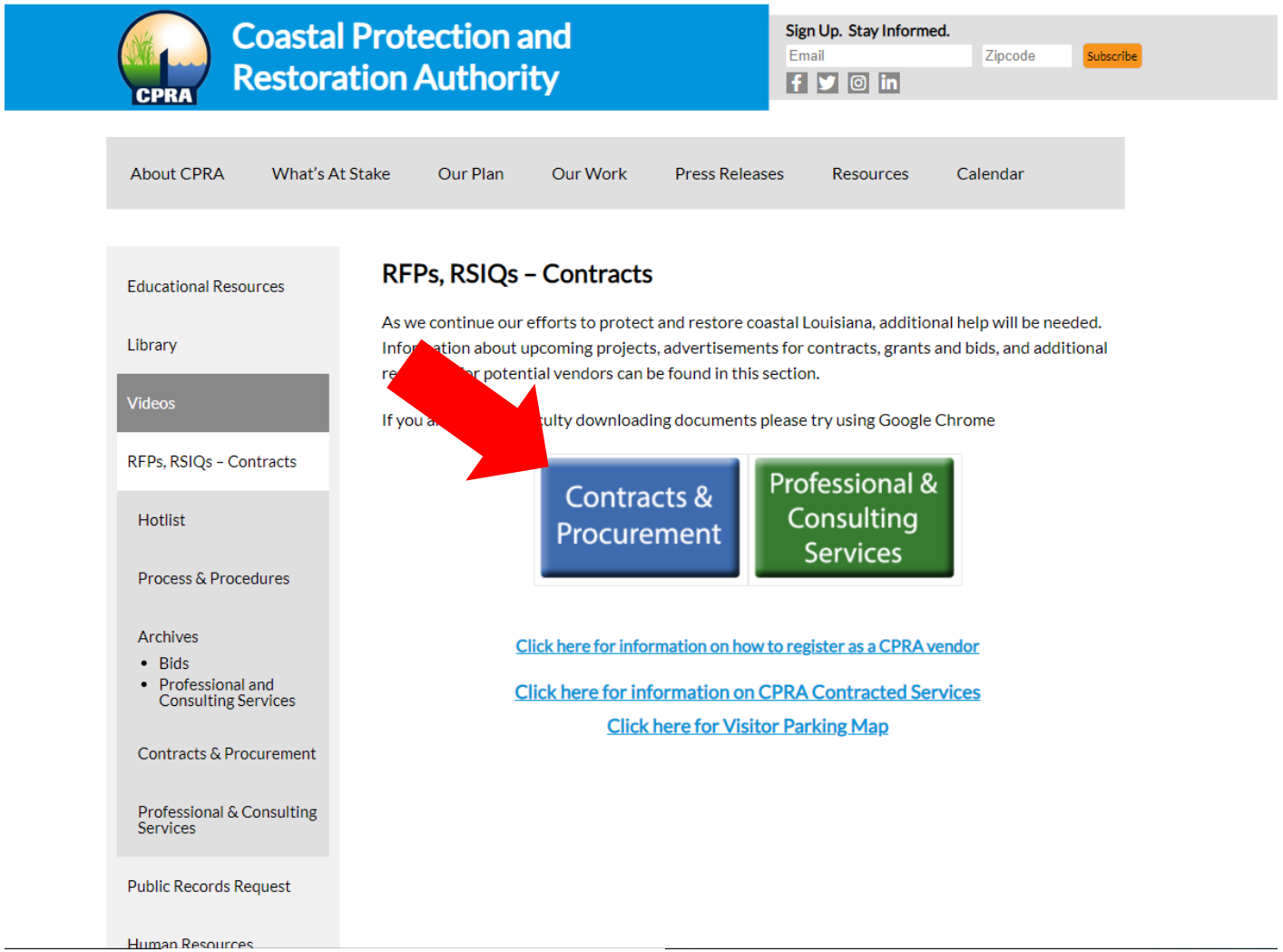
Construction Services

- Governed by Title 38, Public Bid Law
- Cost-based bid
- Base Bid plus a maximum of three Alternate Bid Items
- Publically advertised and let to the lowest responsible and responsive bidder.

How to Find Advertisements for Bids

CPRA HOMEPAGE: https://coastal.la.gov/

How to Find Advertisements for Bids



Professional Services

Engineering, Geotechnical, Surveying Services

- All data collection efforts (surveying, geotechnical) contracted through IDIQ Task Orders
- Most engineering/design related work contracted through IDIQ Task Orders
- Large-scale design efforts may involve project-specific solicitations and contracts (i.e., diversion design contracts)

Professional Services

Engineering, Geotechnical, Surveying Services

- Typically acquired through Request for Solicitation of Interest and Qualifications (RSIQ)/Request for Qualifications (RFQ)

- Can be awarded to one or more firms

- May be project-specific or for Indefinite Delivery / Indefinite Quantity (IDIQ) contracts.

- 3-year term max (currently have staggered start/end contract times)

Professional Services IDIQ Contracts

Current IDIQ Quantity and Value

- 33 Engineering Contracts
  - 20 General Engineering Services ($2M)
  - 6 Coastal Engineering Services ($2M)
  - 7 Limited Engineering Services ($1M)
- 7 Geotechnical Services ($1.5M)
- 7 Surveying ($1M)

Professional Services IDIQ Contracts

Current IDIQ Usage:

Category	Contract Value	Amt. Tasked	%
Engineering	$65,000,000	$30,942,506	48%
Geotech	$10,500,000	$4,514,710	43%
Surveying	$7,000,000	$6,124,589	87%

Professional Services IDIQ Contracts

Staggered Contract Terms

- **Expired Aug 2021**: 14 Engineering, 2 Geotech, 3 Surveying
- **Jan 2020 – Dec 2022**: 6 Engineering, 7 Limited, 2 Geotech, 1 Surveying
- **Sept 2020 – Aug 2022***: 9 Engineering, 3 Geotechnical, 3 Surveying
- **Sept 2021 – Dec 2022***: 11 Engineering, 2 Geotechnical, 3 Surveying

*Option to Extend One Year

Professional Services IDIQ Contracts

Proposed Change:

- Starting with the Spring 2022 advertisement, CPRA will advertise for Professional Services IDIQ Contracts once every 3 years, with contracts having a 3-yr term. Term for the 2022 advertisement will be Jan 2023 through Dec 2025

- RSIQ to be posted by Q2 2022

- Reevaluate the optimum capacity (quantity and value) for all contract types (engineering, surveying, and geotechnical)

Professional Services IDIQ Contracts

FAQs for upcoming IDIQ solicitation:

Q: What specific qualifications/skillsets is CPRA looking for when selecting firms for IDIQ contracts?

A: The majority of CPRA's design work is related to hydraulic dredging. Therefore, an understanding of how hydraulically dredged soils behave, as well as the bidding and construction of these projects, is generally desired. A strong understanding of geotechnical and hydraulic design/analysis within the coastal zone is also scored favorably.

Professional Services IDIQ Contracts

FAQs for upcoming IDIQ solicitation:

Q: What type work would be expected on an IDIQ task order?

A: Most of the engineering/design task orders pertain to restoration work (marsh creation, shoreline protection, ridge restoration, barrier island restoration). Task orders may be issued for complete design services (preliminary through bidding) or for design support only. Tasks for construction administration/supervision are also commonly executed.

Professional Services IDIQ Contracts

FAQs for upcoming IDIQ solicitation:

Q: Can a firm submit a Statement of Interest and Qualifications (SIQ) as a Prime and also be a subcontractor under another Prime submitting?

A: No. Firms electing to submit a SIQ as a Prime contractor cannot be listed as a Subcontractor on another firm's SIQ. Firms not submitting as Prime contractor are allowed to be listed as a Subcontractor on as many SIQs as they deem appropriate. Firms will need to determine whether they will compete as a Prime or a Subcontractor under the listed RSIQ.

Professional Services IDIQ Contracts

FAQs for upcoming IDIQ solicitation:

Q: Can a firm submit a SIQ as a Prime for multiple categories (for example, can a firm submit as a Prime for both the Coastal and General Engineering categories)?

A: Yes. A firm can elect to submit as a Prime on any or all of the five separate solicitations (General, Coastal, Limited, Surveying, Geotechnical). However, a firm can not submit as a Prime and also as a subcontractor in the same solicitation.

Professional Services IDIQ Contracts

FAQs for upcoming IDIQ solicitation:

Q: How many Professional Services contracts will CPRA award for each category?

A: It is anticipated that the number of Surveying and Geotechnical will generally remain the same. A reduction in the number of Engineering category (Coastal, General, Limited) contracts is likely. CPRA is currently evaluating upcoming Engineering and Design expenditures to determine the optimum number of Engineering category contracts.

Consulting Services

Environmental, Science, Planning

- Project Specific or Indefinite Delivery/Indefinite Quantity (IDIQ)
- Acquired through Request for Proposals (RFP); includes cost as a factor in the scoring of a proposal
- 3-year term, 3 year solicitation schedule (some have staggered start and end dates)

Consulting Services IDIQ Contracts

Environmental, Science, Planning

- 10 current IDIQ contracts
- Total contract value - $30M
- Recently awarded new contracts; contracts start in Spring/Summer 2022

Hudson/Veteran Initiative Preference

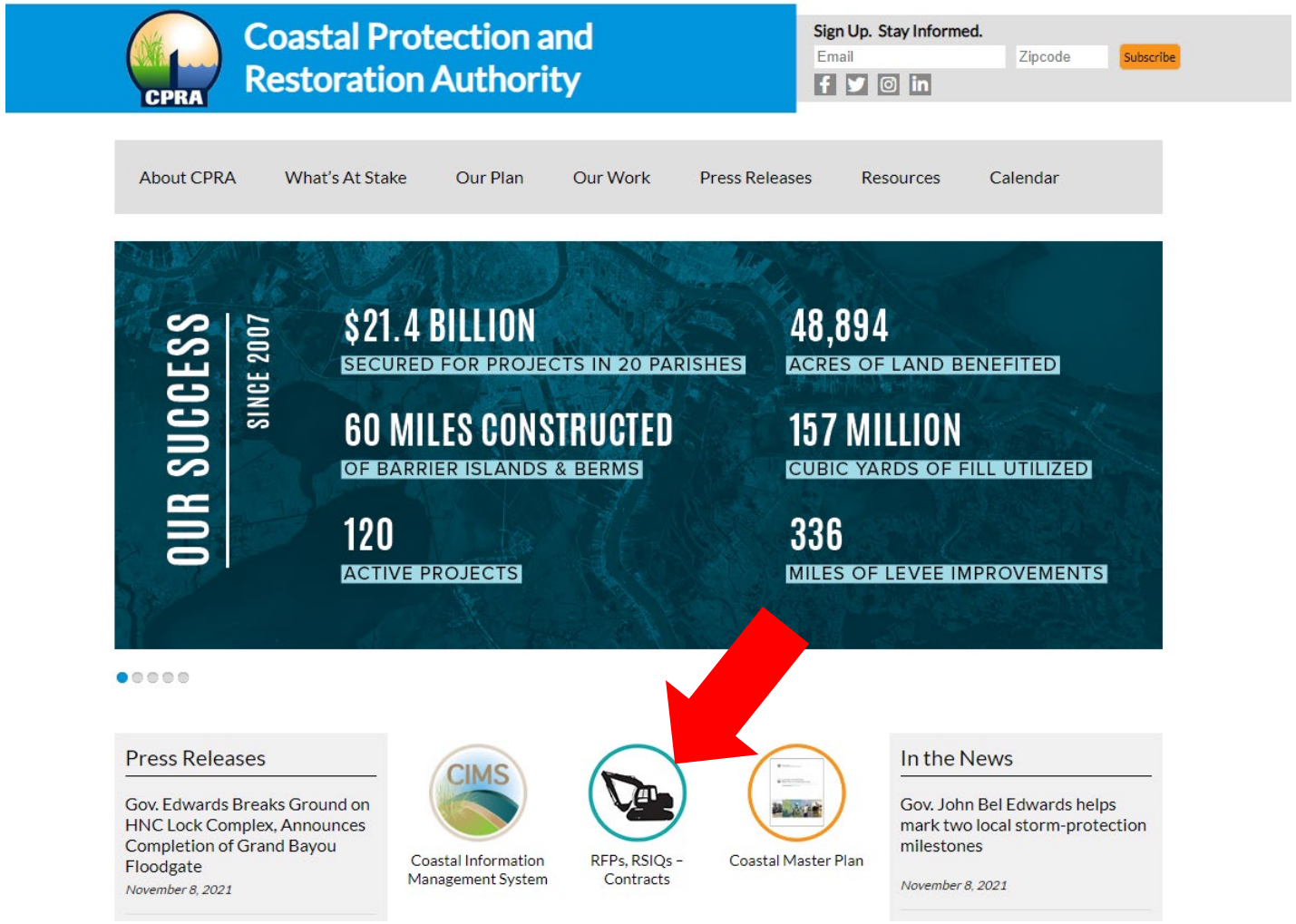
- Small and emerging businesses shall be included in business offerings for state procurement and public contracts

- Points for inclusion of Hudson and/or Veteran Firms included in CPRA Solicitations

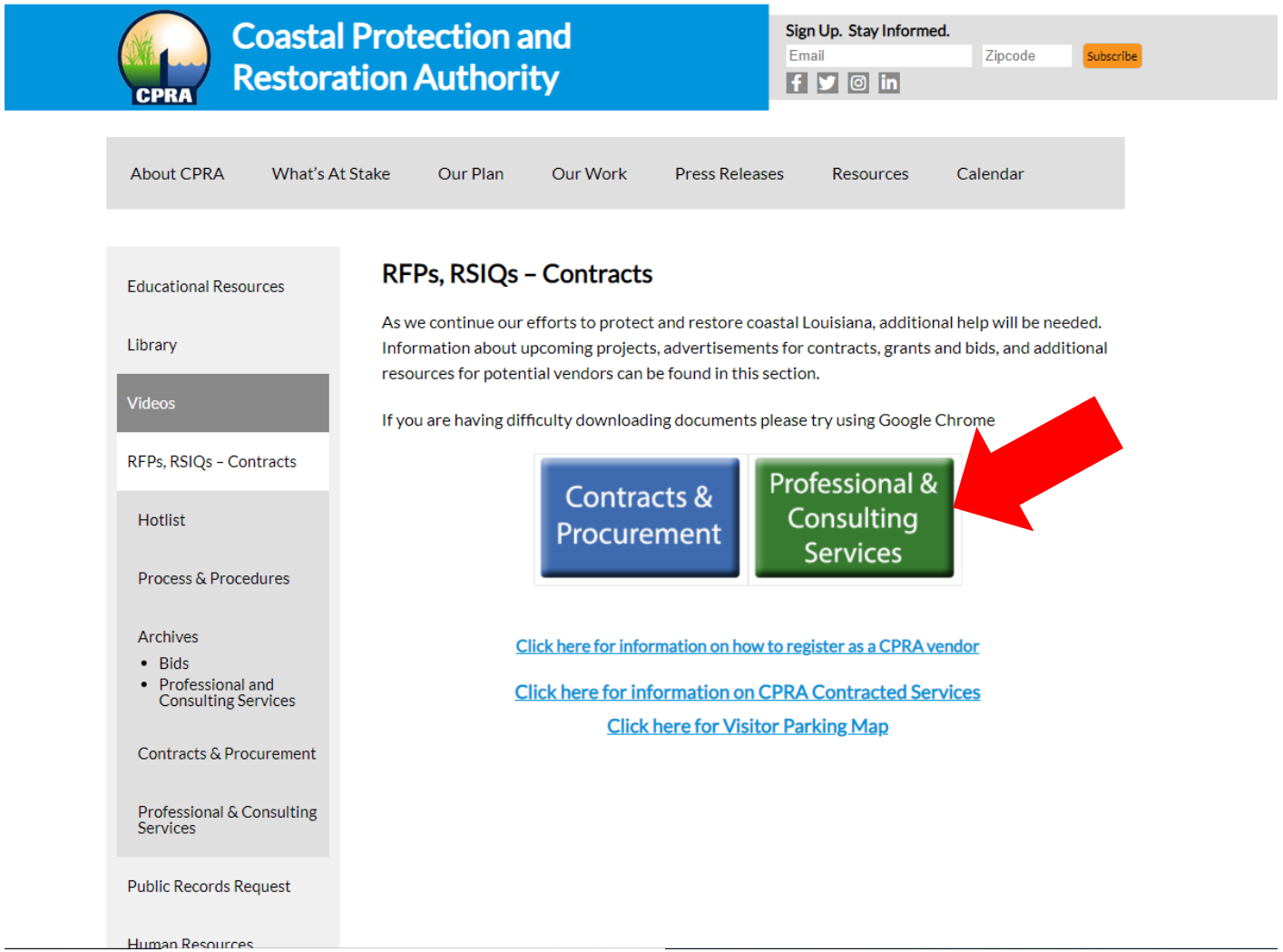
- Details on available points vary by solicitation; **always read solicitation carefully**

How to Find RSIQ & RFP Solicitations

CPRA HOMEPAGE: https://coastal.la.gov/



How to Find RSIQ & RFP Solicitations



Past and Current Project Success

Current Dredging Contracts

Project Name	Parish	Project Lead	Estimated Volume (cubic yards)
North Breton Island (USFWS)	Plaquemines	USFWS	5,890,000
Terrebonne Basin Barrier Island – Hydraulic	Lafourche, Terrebonne	CPRA	9,000,000
Caminada Headland Back Barrier Marsh Creation	Lafourche	CPRA	2,500,000
Cameron Meadows Marsh Creation and Terracing	Cameron	CPRA	1,900,000
West Grand Terre Beach Nourishment and Stabilization	Jefferson	CPRA	5,200,000
Bayou DeCade Ridge and Marsh Creation	Terrebonne	CPRA	2,800,000
Barataria Basin Ridge & Marsh Creation - Spanish Pass Inc.	Plaquemines	CPRA	10,700,000
Golden Triangle Marsh Creation	Orleans, Saint Bernard	CPRA	4,400,000
Lake Borgne Marsh Creation - Increment One	St. Bernard	CPRA	13,200,000
Large-Scale Barataria Marsh Creation - Upper Barataria Inc.	Jefferson, Plaquemines	NOAA	7,000,000
New Orleans Landbridge Shoreline Stabilization & M.C.	Orleans	CPRA	1,100,000
Lake Lery Marsh Creation – Phase 2	St. Bernard	St. Bernard	315,000
South Grand Chenier Marsh Creation (bidding)	*Cameron*	*NRCS*	*875,000*
		TOTAL CUBIC YARDS:	**64,880,000**

Construction Update

$100 Million - NRDA funded

10.7 million cubic yards of sediment

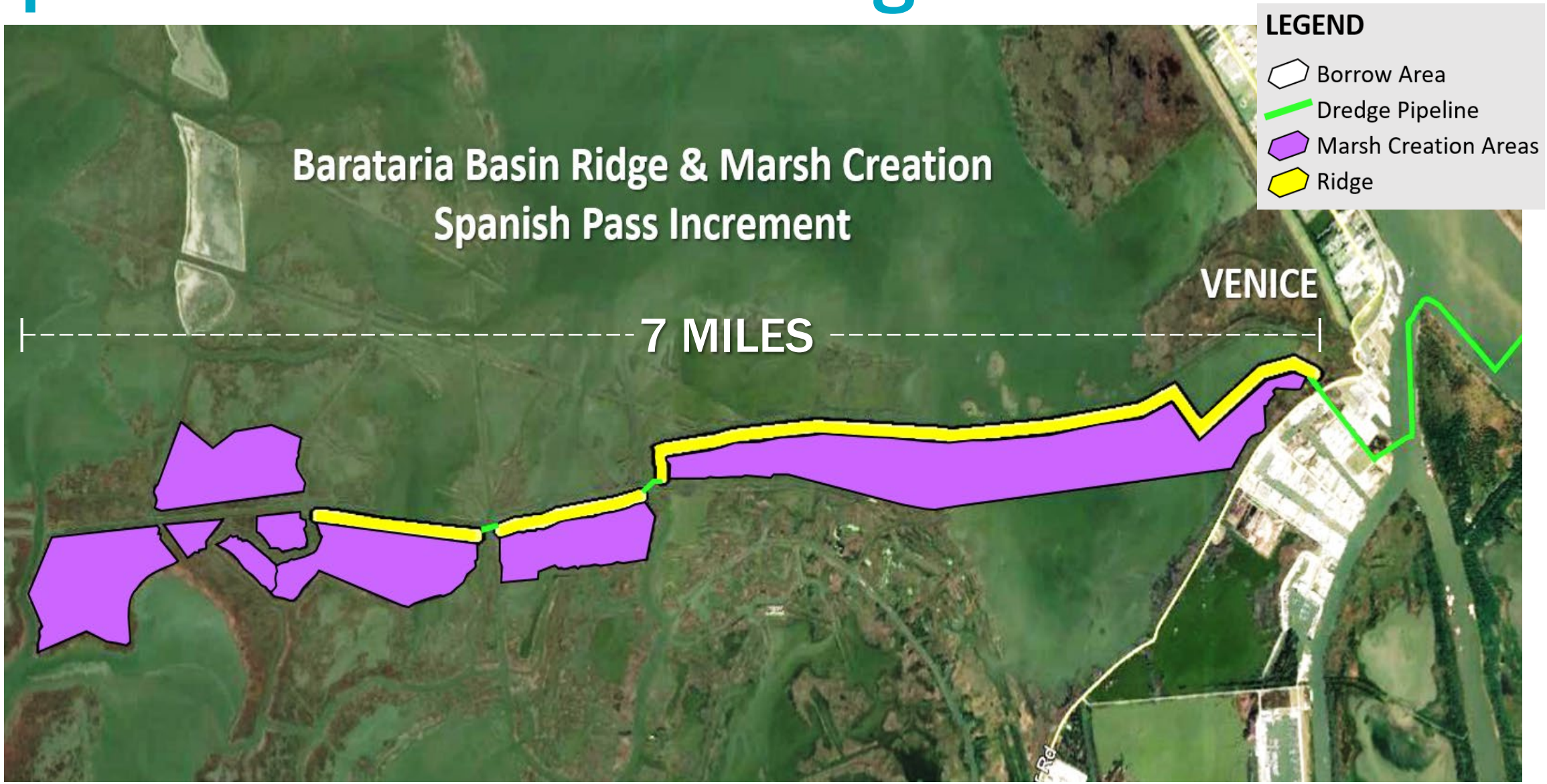
Building 1,700 acres of earthen ridge and marsh

Extending 7 miles west of Venice

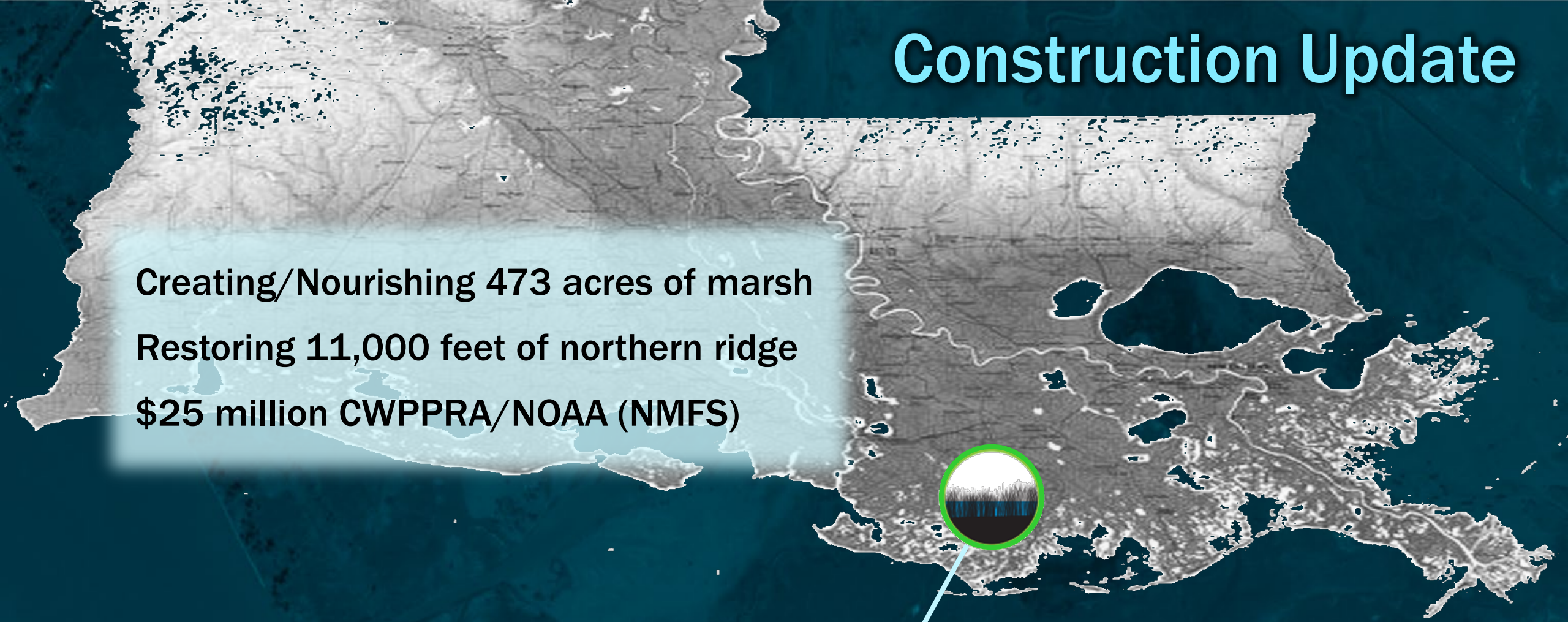
Spanish Pass Increment

Barataria Basin MC & Ridge Project

Spanish Pass MC and Ridge Restoration



Construction Update



Creating/Nourishing 473 acres of marsh

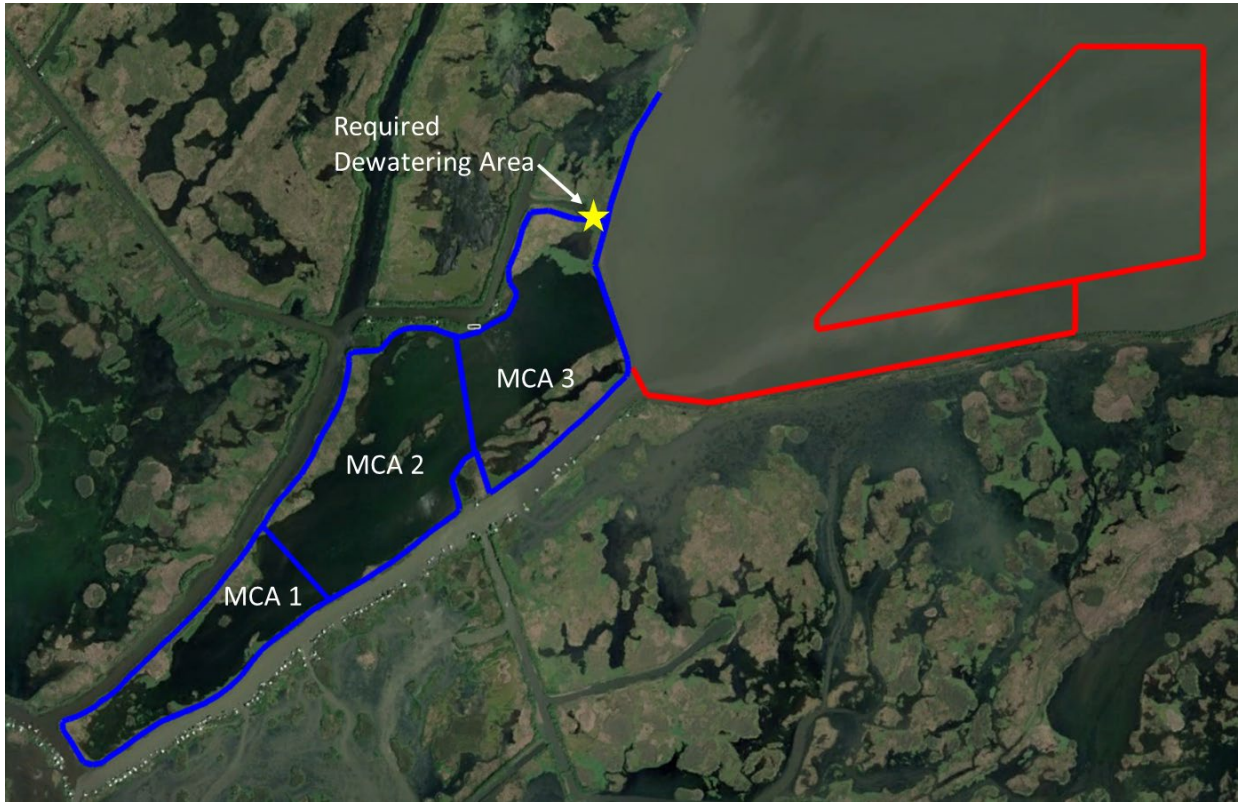
Restoring 11,000 feet of northern ridge

$25 million CWPPRA/NOAA (NMFS)

Bayou de Cade

Ridge & Marsh Creation

Bayou DeCade Ridge and Marsh Restoration



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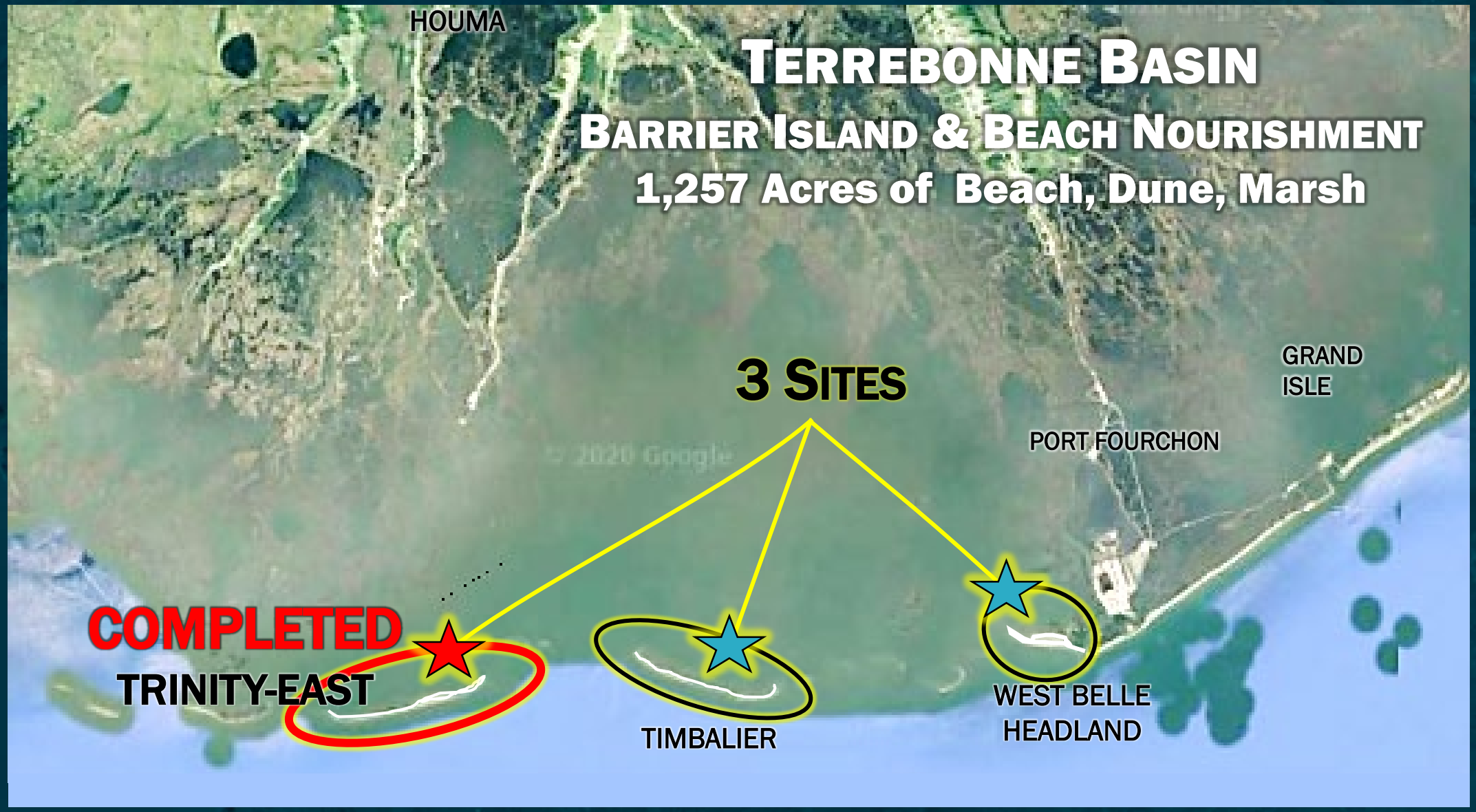

Thank You

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CPRA