

CWPPRA

Priority Project List 23

Candidate Project Evaluation Results



Public Meeting
November 13, 2013
Baton Rouge, LA

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Ground Rules


- The public will be provided an opportunity to ask questions or provide comments on the candidate projects presented tonight
- The public should come to the microphone at the front of the room and state their name and any affiliation they may be representing
- Please neatly sign in so we can make sure we have the correct spelling of your name in the minutes



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Overview of Project Nomination and Selection Process


- Regional Planning Team meetings were held January 29-31, 2013 (Abbeville, Morgan City, and New Orleans) to accept project ideas from the public and government participants.
- Regional Planning Teams voted electronically on February 19, 2013 to select 18 nominee projects.
- The Technical Committee selected 10 candidate projects for detailed evaluation on April 16, 2013. The Technical Committee did not select any demonstration projects for further review based on a recommendation from the Environmental and Engineering Work Groups that the demonstration projects lacked sufficient merit for further investigation.



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PPL 23 Nominee Projects

PPL23 Nominee Projects



Legend:

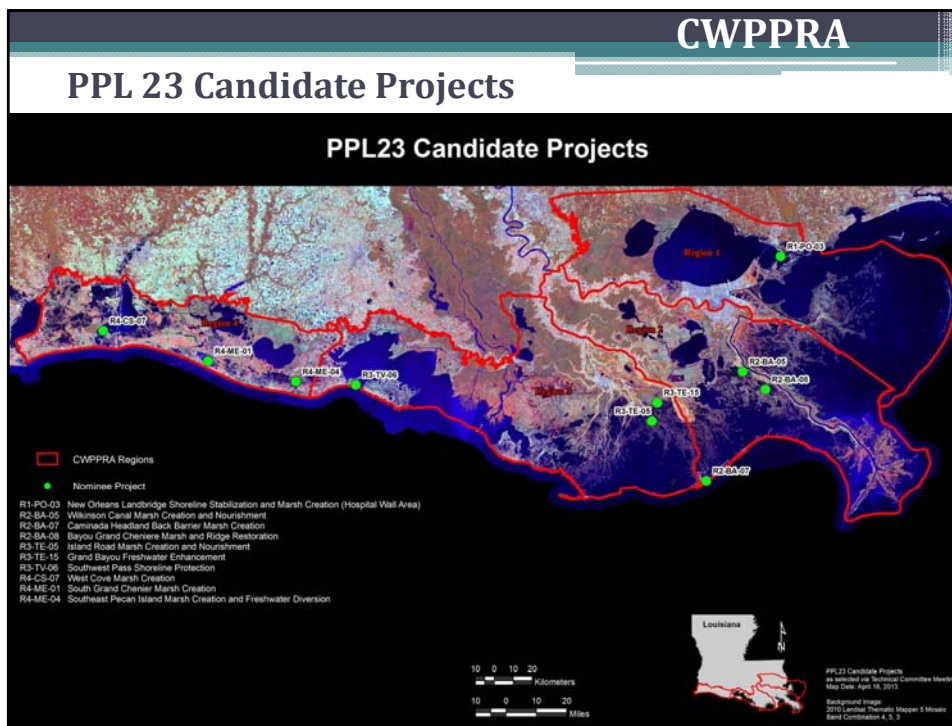
- CWPPRA Regions
- Nominee Project

Project List:

- R1-PO-01 Shell Beach Marsh Creation and Nourishment
- R1-PO-03 New Orleans Landbridge Shoreline Stabilization and Marsh Creation (Hospital Wall Area)
- R1-PO-07 Shell Beach Marsh Creation
- R2-BA-04 Bayou Duport Sediment Delivery - Marsh Creation 4
- R2-BA-05 Wilkinson Canal Marsh Creation and Nourishment
- R2-BA-07 Camarda Headland Back Barrier Marsh Creation
- R2-BA-08 Bayou Grand Chenere Marsh and Ridge Restoration
- R2-BS-02 Marsh Creation South of Lake Lery
- R3-TE-06 Island Road Marsh Creation and Nourishment
- R3-TE-08 Bayou Terrebonne Ridge and Marsh Restoration
- R3-TE-14 Terrebonne Bay Shoreline Protection via Oyster Reef Construction
- R3-TE-15 Grand Bayou Freshwater Enhancement
- R3-TV-05 North Marsh Island Shoreline Protection
- R3-TV-06 Southwest Pass Shoreline Protection
- R4-CS-01 Gent Hwy Beach Golf Shoreline Protection
- R4-CS-07 West Cove Marsh Creation
- R4-ME-01 South Grand Charier Marsh Creation
- R4-ME-04 Southeast Piccan Island Marsh Creation and Freshwater Diversion

Scale: 0 10 20 Kilometers / 0 10 20 Miles


Map Info: PPL23 Nominee Projects as selected via Coordinate Listing Electronic Map. Map Date: February 18, 2013. Background Image: 2010 Landfall Thematic Mapper 5 Mosaic. North Coordinate: 4, 9, 9



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Project Evaluation Procedures


- Interagency site visits were conducted with landowners and local governments.
- The Environmental Workgroup conducted Wetland Value Assessments (WVA) to estimate wetland benefits.
- The Engineering Workgroup reviewed project features and cost estimates.
- The Economics Workgroup developed fully-funded costs for engineering and design, construction, and 20 years of operation, maintenance, and monitoring for each project.



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Region 1


New Orleans Landbridge Shoreline Stabilization & Marsh Creation



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PPL 23 Candidate Projects

PPL23 Candidate Projects



Legend:

- ▭ CWPPRA Regions
- Nominee Project


Project List:

- R1-PO-03 New Orleans Landbridge Shoreline Stabilization and Marsh Creation (Hospital Wall Area)
- R2-BA-05 Wilkinson Canal Marsh Creation and Nourishment
- R2-BA-07 Caminada Headland Back Barrier Marsh Creation
- R3-BA-08 Bayou Grand Chenier Marsh and Ridge Restoration
- R3-TE-05 Island Road Marsh Creation and Nourishment
- R3-TE-10 Grand Bayou Freshwater Enhancement
- R3-TV-06 Southwest Pass Shoreline Protection
- R4-CS-07 West Cove Marsh Creation
- R4-ME-01 South Grand Chenier Marsh Creation
- R4-ME-04 Southeast Pecan Island Marsh Creation and Freshwater Diversion


Scale:
 0 10 20 Kilometers
 0 10 20 Miles

Map Date: April 16, 2013
 Background Image: 2011 Landsat Thematic Mapper 5 Mission
 Band Combination 4, 3, 3

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New Orleans Landbridge Shoreline Stabilization
and Marsh Creation
(PPL23 Candidate)




Map ID: 13042-NR-02 | 2013-11-08-01
Map Date: September 01, 2013

Legend

- ▬ Earthen Berm*
- ▬ Marsh Creation *
- Project Boundary
- ▬ *denotes proposed features

Scale 1:25,000



Produced by:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Inventory/Coastal
Central Louisiana Estuarine District
Baton Rouge, LA
Project Number:
2013-13042


192 ac of marsh creation

Two borrow areas: Lakes St. Catherine & Pontchartrain

12,716 linear ft of earthen berm to protect shoreline & structural integrity of Orleans Landbridge

104 net acres

\$12,499,983




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Region 2

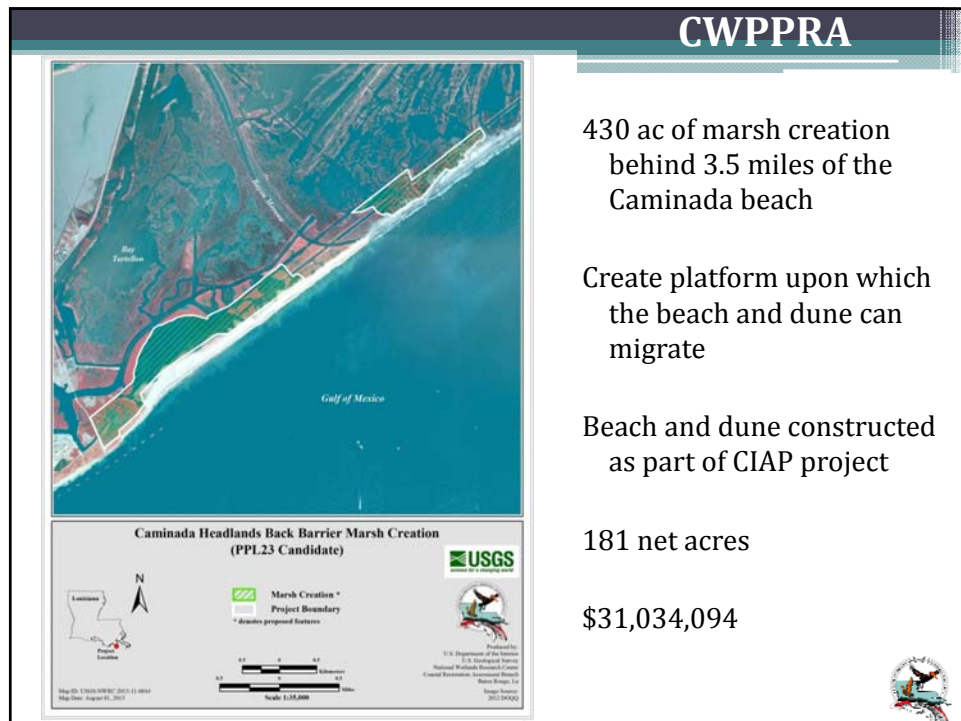
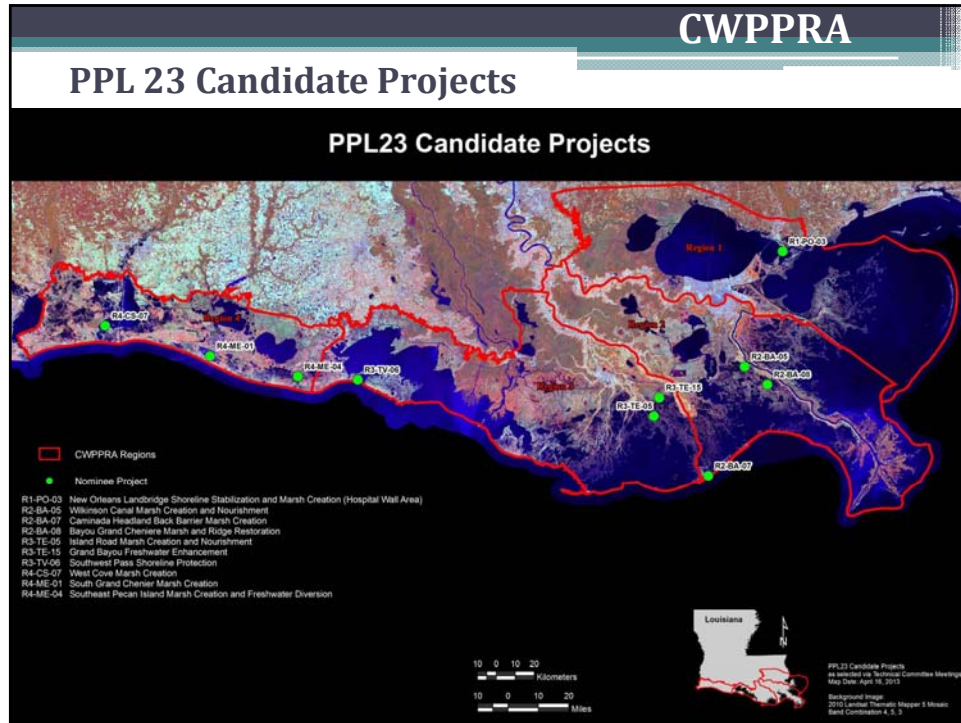
Caminada Headlands Back Barrier Marsh Creation

Wilkinson Canal Marsh Creation & Nourishment


Bayou Grand Cheniere Marsh & Ridge Restoration



5



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Wilkinson Canal Marsh Creation and Nourishment (PPL23 Candidate)

Legend:
▨ Marsh Creation *
 Project Boundary
 *denotes proposed features

Scale: 1:25,000

Produced by:
 U.S. Department of the Interior
 U.S. Geological Survey
 National Wetlands Inventory/Coastal Resources Assessment Branch
 Baton Rouge, LA
 Image Source: 2012/09/02

Map ID: 176165-07670 2013-11-0514
 Map Date: July 05, 2013


484 ac of marsh creation

Hydraulically pump sediment from Mississippi River borrow site


Reestablish a portion of the Bayou Dupont bank while providing protection to the local flood protection levee

395 net acres

\$36,292,706



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Bayou Grande Cheniere Marsh and Ridge Restoration (PPL23 Candidate)

Legend:
▨ Marsh Creation *
▨ Ridge *
 Project Boundary
 *denotes proposed features

Scale: 1:25,000

Produced by:
 U.S. Department of the Interior
 U.S. Geological Survey
 National Wetlands Inventory/Coastal Resources Assessment Branch
 Baton Rouge, LA
 Image Source: 2012/09/02

Map ID: 176165-07670 2013-11-0515
 Map Date: September 02, 2013


342 ac of marsh creation

Hydraulically dredge and pump material from a Mississippi River borrow site

10,820 linear ft (12 acres) of forested coastal ridge

264 net acres


\$29,937,575



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Region 3

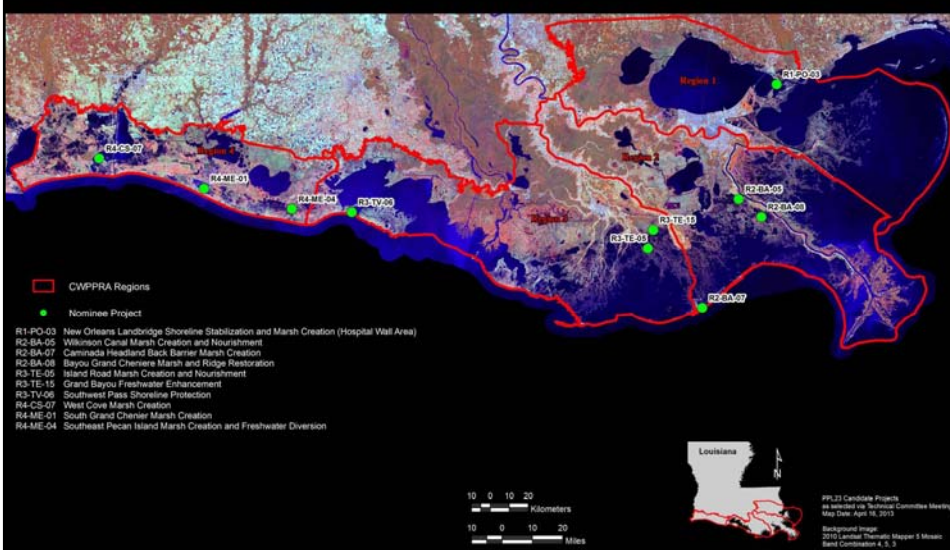
Island Road Marsh Creation & Nourishment
Grand Bayou Freshwater Enhancement
Southwest Pass Shoreline Protection



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PPL 23 Candidate Projects

PPL23 Candidate Projects



Legend:

- CWPPRA Regions
- Nominee Project

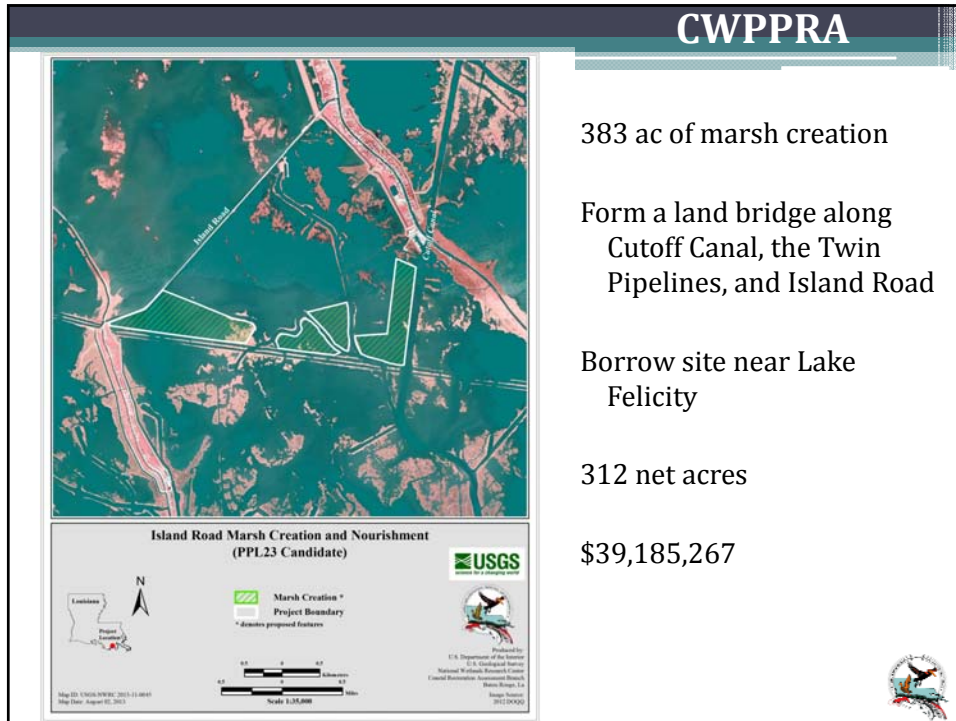
Project List:

- R1-PO-03 New Orleans Landbridge Shoreline Stabilization and Marsh Creation (Hospital Wall Area)
- R2-BA-05 Wilkinson Canal Marsh Creation and Nourishment
- R2-BA-07 Caminada Headland Back Barrier Marsh Creation
- R2-BA-08 Bayou Grand Chenier Marsh and Ridge Restoration
- R3-TE-05 Island Road Marsh Creation and Nourishment
- R3-TE-10 Grand Bayou Freshwater Enhancement
- R3-TV-05 Southwest Pass Shoreline Protection
- R4-CS-07 West Cove Marsh Creation
- R4-ME-01 South Grand Chenier Marsh Creation
- R4-ME-04 Southeast Pecan Island Marsh Creation and Freshwater Diversion

Scale: 0 10 20 Kilometers / 0 10 20 Miles

Map Date: April 16, 2013

Background Image: 2011 Landsat Thematic Mapper 5 Mission Band Combination 4, 3, 3



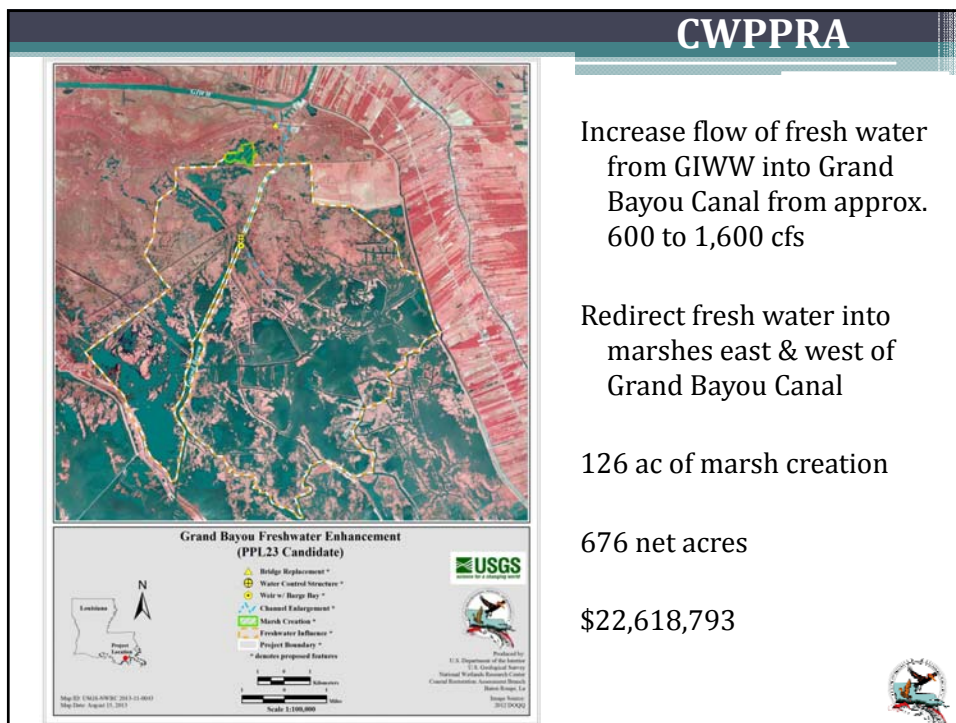
383 ac of marsh creation

Form a land bridge along
Cutoff Canal, the Twin
Pipelines, and Island Road

Borrow site near Lake
Felicity

312 net acres

\$39,185,267



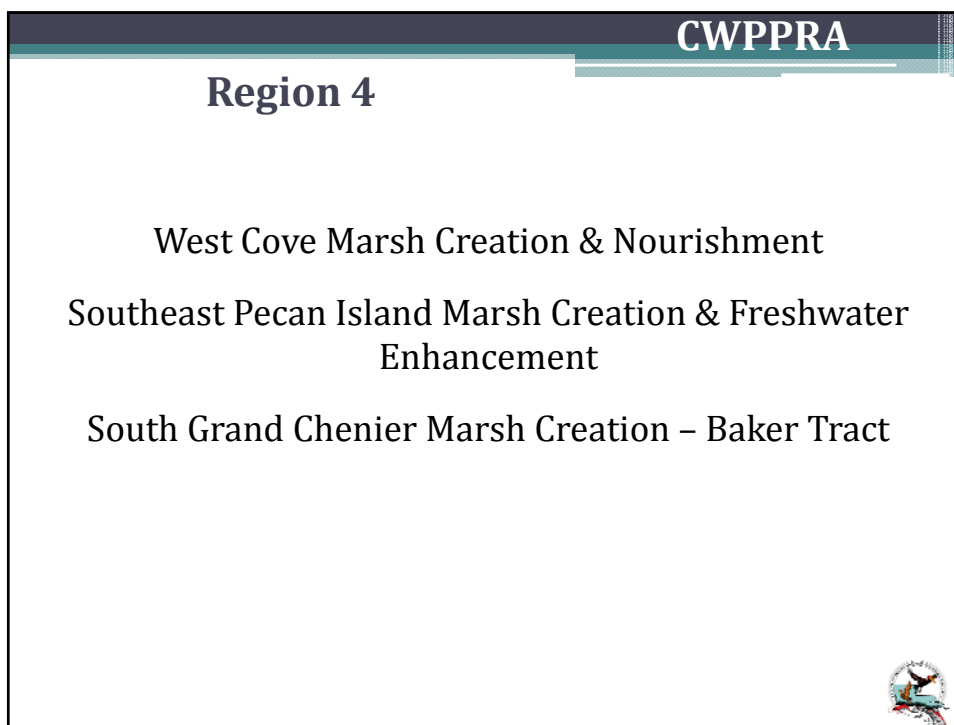
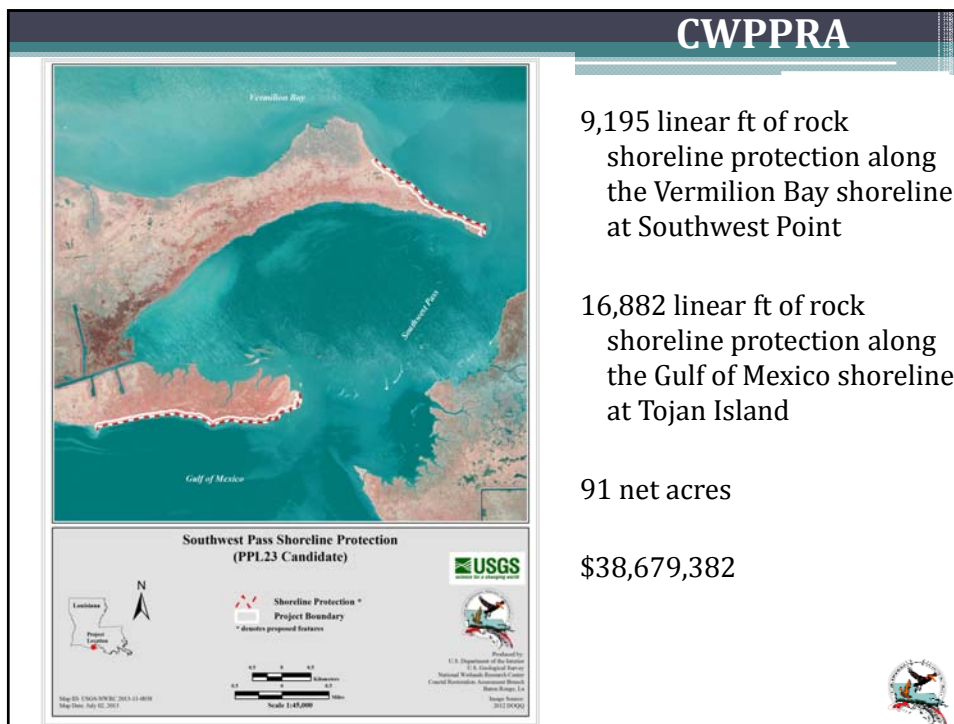
Increase flow of fresh water
from GIWW into Grand
Bayou Canal from approx.
600 to 1,600 cfs

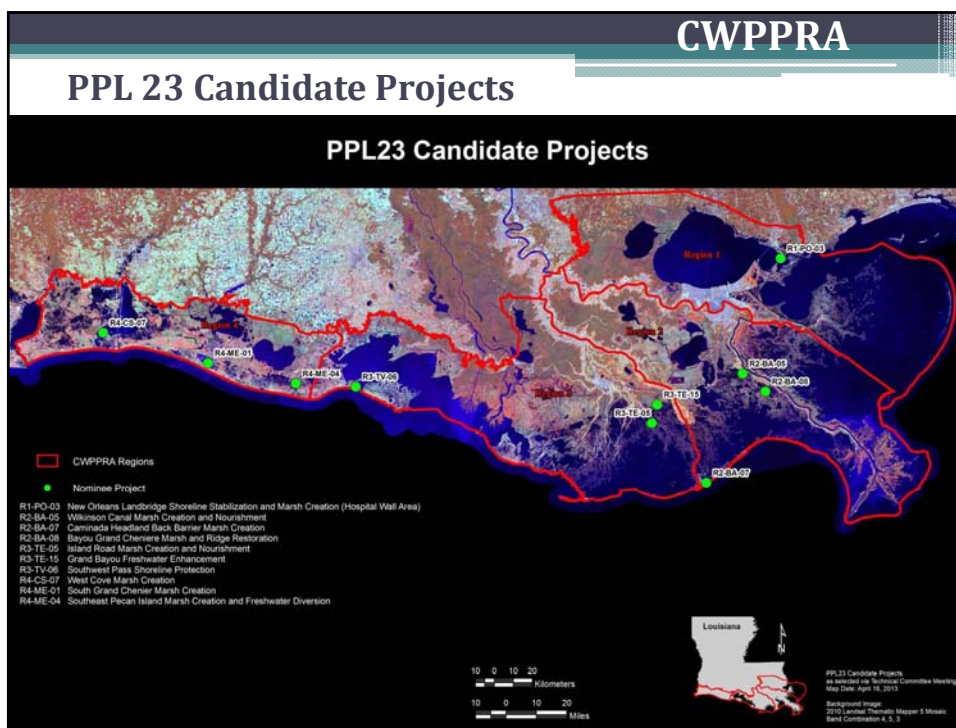
Redirect fresh water into
marshes east & west of
Grand Bayou Canal

126 ac of marsh creation

676 net acres

\$22,618,793





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West Cove Marsh Creation and Nourishment (PPL23 Candidate)

409 ac of marsh creation

Beneficially use material from the Calcasieu River Ship Channel dredged during routine maintenance dredging operations

Tidal creeks will also be constructed

359 net acres

\$20,034,472

Legend:
 [Green hatched] Marsh Creation *
 [Red outline] Project Boundary
 *denotes proposed features

Scale: 0 10 20 Miles

Map Date: September 03, 2013

Produced for:
 U.S. Department of the Interior
 U.S. Geological Survey
 National Wetlands Research Center
 Coastal Resources Research Center
 Baton Rouge, LA

Map Scale: 1:25,000

USGS logo

**Southeast Pecan Island Marsh Creation and Freshwater Enhancement
(PPL23 Candidate)**

USGS
United States Geological Survey

Produced by:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Central Riverine Assessment Branch
Baton Rouge, LA
Image Source:
2012 DKOAG

Map ID: USGS-NWRC-2013-11-0012
Map Date: September 10, 2013

Scale: 1:100,000

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- 531 ac of marsh creation
- Gulf of Mexico borrow site
- Construction of an outlet structure at Front Ridge, replacement of 4 sets of culverts along the conveyance channel, & potential cleanout of culverts under Hwy 82
- 372 net acres
- \$39,835,500

**South Grand Chenier Marsh Creation
(PPL23 Candidate)**

USGS
United States Geological Survey

Produced by:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Central Riverine Assessment Branch
Baton Rouge, LA
Image Source:
2012 DKOAG

Map ID: USGS-NWRC-2013-11-0013
Map Date: July 01, 2013

Scale: 1:25,000


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- 420 ac of marsh creation
- Gulf of Mexico borrow site
- Approximately 11,756 linear ft. of tidal creeks
- Vegetative plantings
- 393 net acres
- \$25,441,833

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PPL23 Candidate Project Evaluation Matrix											
Project Name	Region	Parish	Project Area (acres)	Average Annual Habitat Units (AAHU)	Net Acres	Total Fully Funded Cost	Fully-Funded Phase I Cost	Fully-Funded Phase II Cost	Average Annual Cost (AAC)	Cost Effectiveness (AAC/AAHU)	Cost Effectiveness (Cost/Net Acre)
New Orleans Landbridge Shoreline Stabilization and Marsh Creation	1	Orleans	192	65	104	\$12,499,963	\$1,516,303	\$10,983,660	\$844,300	\$12,990	\$120,192
Bayou Grande Cheniere Marsh and Ridge Restoration	2	Plaquemines	354	146	264	\$29,937,575	\$2,742,302	\$27,195,273	\$2,047,855	\$14,026	\$113,400
Wilkinson Canal Marsh Creation and Nourishment	2	Plaquemines	484	223	395	\$36,292,706	\$3,490,445	\$32,802,261	\$2,477,962	\$11,112	\$91,880
Caminada Headlands Back Barrier Marsh Restoration	2	Lafourche	430	144	181	\$31,034,094	\$3,354,935	\$27,679,159	\$2,113,849	\$14,680	\$171,459
Grand Bayou Freshwater Enhancement	3	Lafourche	26,533	585	676	\$22,618,793	\$2,861,725	\$19,757,068	\$1,484,004	\$2,537	\$33,460
Island Road Marsh Creation and Nourishment	3	Terrebonne	383	166	312	\$39,185,267	\$3,721,447	\$35,463,820	\$2,738,405	\$16,496	\$125,594
Southwest Pass Shoreline Protection	3	Vermilion	100	35	91	\$38,679,382	\$3,045,177	\$35,634,205	\$2,577,022	\$73,629	\$425,048
Southeast Pecan Island Marsh Creation and Freshwater Enhancement	4	Vermilion	3,281	181	372	\$39,835,500	\$3,662,682	\$36,172,818	\$2,693,285	\$14,880	\$107,085
South Grand Chenier Marsh Creation-Baker Tract	4	Cameron	420	196	393	\$25,441,833	\$2,653,242	\$22,788,591	\$1,735,602	\$8,855	\$64,737
West Cove Marsh Creation and Nourishment	4	Cameron	409	178	359	\$20,034,472	\$2,534,043	\$17,500,429	\$1,370,842	\$7,701	\$55,806

rev 10/23/13

This matrix is also located in the PPL 23 Candidate Booklet

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<h2>Project Selection</h2>	
<ul style="list-style-type: none"> • CWPPRA Technical Committee meets on December 12 in Baton Rouge at the LA Department of Wildlife and Fisheries (Louisiana Room) – 2000 Quail Drive. <ul style="list-style-type: none"> ➤ 4 projects will be selected by agency vote for Phase 1 (E&D) funding • CWPPRA Task Force meets on January 16 in New Orleans at the Corps of Engineers. <ul style="list-style-type: none"> ➤ Project selection by the Technical Committee is usually accepted 	
	

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Comments

Written comments may be provided no later than November 26, 2013 to the CWPPRA Task Force by mail, fax or email to:

Mail: Colonel Richard Hansen
District Engineer, New Orleans
c/o: Brad Inman
U.S. Army Corps of Engineers
P.O. Box 60267
New Orleans, Louisiana 70160

Fax: 504-862-2572 (Attn: Brad Inman)

Email: Brad.L.Inman@usace.army.mil

This information is provided on the back page of the PPL 23 Candidate Project Booklet as well as the agenda.

