

Appendix K

(BA-0171) Vegetative Plantings Project

PROJECT COMPLETION REPORT (BA-0171)

PROJECT NAME: Caminada Back Barrier MC (BA-0171)
Vegetative Planting
Jefferson Parish, Louisiana

CPRA / STATE PROJECT NO. BA-0171

Report Date: August 2023

By: Brandon Carreras, CPRA

1. Project Team

1.1 Project Owner

Coastal Protection and Restoration Authority
150 Terrance Avenue
Baton Rouge, LA 70802

1.2 Project Managers/Contracting Officer

CPRA Engineering Supervisor,	Brian J. Babin, P.E.	985-447-0956
Operations Division		
CPRA Construction Project Manager	Brandon Carreras	985-449-5073
CPRA Monitoring Manager	Todd Hubbell	985-447-0994

1.3 Project Design

CPRA Thibodaux Field Office	Brandon Carreras	985-449-5073
1440 Tiger Drive, Suite B		
Thibodaux, La. 70301		

1.4 Prime Construction Contractor

Ecological Restoration Services, LLC		337-466-5152
2431 S. Acadian Thruway		
Baton Rouge, LA 70808		
License No. 51750		
Project Manager	Wesley Hayes	337-466-6152

PROJECT COMPLETION REPORT (BA-0171)

2. Location & Description of Project

Caminada Headland is a Gulf of Mexico shoreline that spans from West Belle Pass to Caminada Pass. The island is located just west of Grand Isle, Louisiana. It is located in Lafourche & Jefferson Parish.

This project was part of the original construction to complete planting the north and south sides of installed sand fencing as well as the earthen containment dikes. The project consisted of installing 54,900 Bitter Panicum plants, installing 29,600 Seashore Paspalum plants, and installing 29,600 Smooth Cordgrass plants.

3. Final, As-Built Features, Boundaries and Resulting Acreage (use attachments if necessary).

The project was constructed as described above. For additional information see project As-Built Drawings.

Vegetation was planted along the sand fencing to help expedite plant growth and retaining sand within the foot print. Vegetation was also planted along the earthen containment dike to help establish a root system to retain the dike.

4. Key Project Cost Elements*

Cost Element	CPRA Project Report Estimates Data	Cost Incurred as of Construction Completion & Final C.O.
Construction	N/A	N/A
E & D	N/A	N/A
Land Rights	N/A	N/A
Construction Administration	N/A	N/A
Resident Project Representative**	N/A	N/A
Monitoring	N/A	N/A
Sand Fencing & Planting	\$399,350.00	\$333,696.00
Total	\$399,350.00	\$333,696.00

*Does not include Federal Sponsor administrative cost.

*Does not include CPRA Administrative cost.

**Estimate based on 90-day Construction Contract completion period.

PROJECT COMPLETION REPORT (BA-0171)

5. Items of Work

Schedule of Items										
Item No.	Work	Est. Qty	Unit	Estimated Unit Price	Estimated Amount	Bid Qty	Bid Unit Price	Bid Amount	As-Built Quantity	As-Built Amount
Base Bid										
1	Smooth Cordgrass - Plugs	29,600	EACH	\$3.00	\$88,800.00	29,600	\$1.19	\$56,536.00	29,600	\$56,536.00
2	Seashore Paspalum – 4” containers	29,600	EACH	\$4.00	\$118,400	29,600	\$3.28	\$97,088.00	29,600	\$97,088.00
3	Bitter Panicum – 4” containers	54,900	EACH	\$3.50	\$192,150	54,900	\$3.28	\$180,072.00	54,900	\$180,072.00
CPRA Estimate: Base Bid: \$399,350.00; Additive Alternate Amount: \$0.00						Original Base Bid Amt.: \$333,696.00 Additive Alt. 1: \$0.00 Total Bid w/Alternative: \$333,696.00		As-Built Amt.: \$333,696.00		
Total Estimate:					\$399,350.00					

PROJECT COMPLETION REPORT (BA-0171)

6. Construction and Construction Oversight

Prime Construction Contractor	Ecological Restoration Services, LLC
Surveyor	Graham Leger, Assistant Project Manager
Subcontractor	N/A
Original Construction Contract	\$333,696.00
Final Contract Amount	\$333,696.00

Construction Administration & Resident Inspection – CPRA - TRO

Construction Administration and Resident Inspection Amount: N/A

7. Major Equipment Used

Polaris Ranger – Transportation

ATV – transport trailer for plants

Trailer

Airboat

Survey equipment for as built drawings

8. Construction Sequences and Activities

The Owner's scheduled contract time for the project was 90 days. The Notice to Proceed was issued for March 1st, 2023. The scheduled completion date was set on May 30th, 2023. The sand fencing was installed during the original construction contract time to retain sand moving.

- March 6th, 2023 – pre-construction meeting
- April 17th, 2023 – Construction Commences
- May 10th, 2023 – Construction completion
- June 6th, 2023 – as-built Report submission

See the Contractor's Daily Reports for additional details and photographs of project construction tasks, sequences and activities. The Reports were submitted to CPRA during the course of the project. Appendix B provides selected photographs of the construction activities.

9. Construction Change Orders and Field Changes.

Change Order No. : No Change Orders issued.

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Field Order No. : No Field Orders issued

10. Pipeline and Other Utility Crossings.

11. Safety and Accidents.

The Contractor, Ecological Restoration Services, LLC, submitted an Environmental Hazzard Safety plan. This outlined the following:

1. Corporate Safety & Health Policy Statement
2. Leadership Program
3. Stop Work Authority Program
4. Fatigue Management Program
5. Accident Reporting & Investigation Program
6. EHS&S Training Program
7. Contractor, Sub-Contractor & Vendor Safety Program
8. PPE (Personal Protective Equipment) Program
9. Ergonomics Program
10. Chemical Management Program
11. Emergency Preparedness Program
12. Fire Prevention Program
13. Confined Space Program (High-Hazard Operations)
14. Tree Felling Operations Program (High-Hazard Operations)
15. Hot Work Operations Program (High-Hazard Operations)
16. Ladders & Scaffolding Program (High-Hazard Operations)
17. Electrical Awareness Safety Program
18. Lock-Out/Tag-Out Program (High-Hazard Operations)
19. Powered Industrial Vehicles (PIV) Program (High-Hazard Operations)
20. Animal Handling Program (High-Hazard Operations)
21. Trenching & Excavation Program (High-Hazard Operations) 126
22. Cranes, Hoist, and Mechanical Equipment Program (High-Hazard Operations Program)
23. Fall Protection Program (High-Hazard Operations)
24. Equipment Operation Program (High-Hazard Operations)
25. Boater & Watercraft Safety Program (High-Hazard Operations)
26. Office Safety Program
27. Occupational Health Program
28. Fleet & DOT Program
29. Auto Shop Operations Program
30. Inspections Program
31. Job Safety Analysis / Activity Hazard Analysis (JSA/AHA)

There were no accidents reported during the Operation and Maintenance Project.

PROJECT COMPLETION REPORT (BA-0171)

12. Project Issues and Discussion

1. Issue: n/a

Discussion: n/a

13. Significant Construction Dates: To be filled out by CPRA Construction Project Manager or Contracting Officer for construction for Agency responsible for construction.

ACTION	DATE
Bid Opening	January 17 th , 2023.
Construction Contract (CPRA Signed)	February 27 th , 2023
Pre-Construction Conference	March 6 th , 2023
Notice to Proceed	March 1 st , 2023
Mobilization	April 17 th , 2023
Construction Start	April 17 th , 2023
Construction Completion	May 10 th , 2023
Final Acceptance	May 15 th , 2023



303 Rue Louis XIV, Suite 204
Lafayette, LA 70508

Corporate Headquarters
6575 West Loop South, Suite 300
Bellaire, TX 77401

June 8th, 2023

TO:

Brandon Carreras | **Coastal Protection and Restoration Authority**

Engineer Intern 2 | Operations Division

Thibodaux Regional Office | 1440 Tiger Drive | Thibodaux, LA 70301

o: 985-449-5073 | c: 985-414-5342



SUBJECT: BA-0171 Caminada Headland Back Barrier Marsh Creation Vegetative Planting

PROJECT RECORD

Date of Work

- Planting: 04.17.2023 – 05.10.2023

Project Manager

- Graham Leger

Project Name

- BA-0171 Caminada Headland Back Barrier Marsh Creation Vegetative Planting

Job Location

- Fourchon, LA – Caminada Headland Back Barrier Marsh Creation Area

Number of Laborers/Crew On Site

10 Laborers
1 Superintendent
1 Boat Captain

Hours on site

10 Hours/Day



Work Breakdown

- Vegetative Planting
 1. Bitter Panicum (*Panicum amarum*)
 - Quantity Delivered: 54,900
 - Quantity Installed: 54,900
 2. Smooth Cordgrass (*Spartina alterniflora*)
 - Quantity Delivered: 29,600
 - Quantity Installed: 29,600
 3. Seashore Paspalum (*Paspalum distichum*)
 - Quantity Delivered: 29,900
 - Quantity Installed: 29,600

Safety Meeting Details:

- Staying Hydrated and Knowing When to Stop and Hydrate

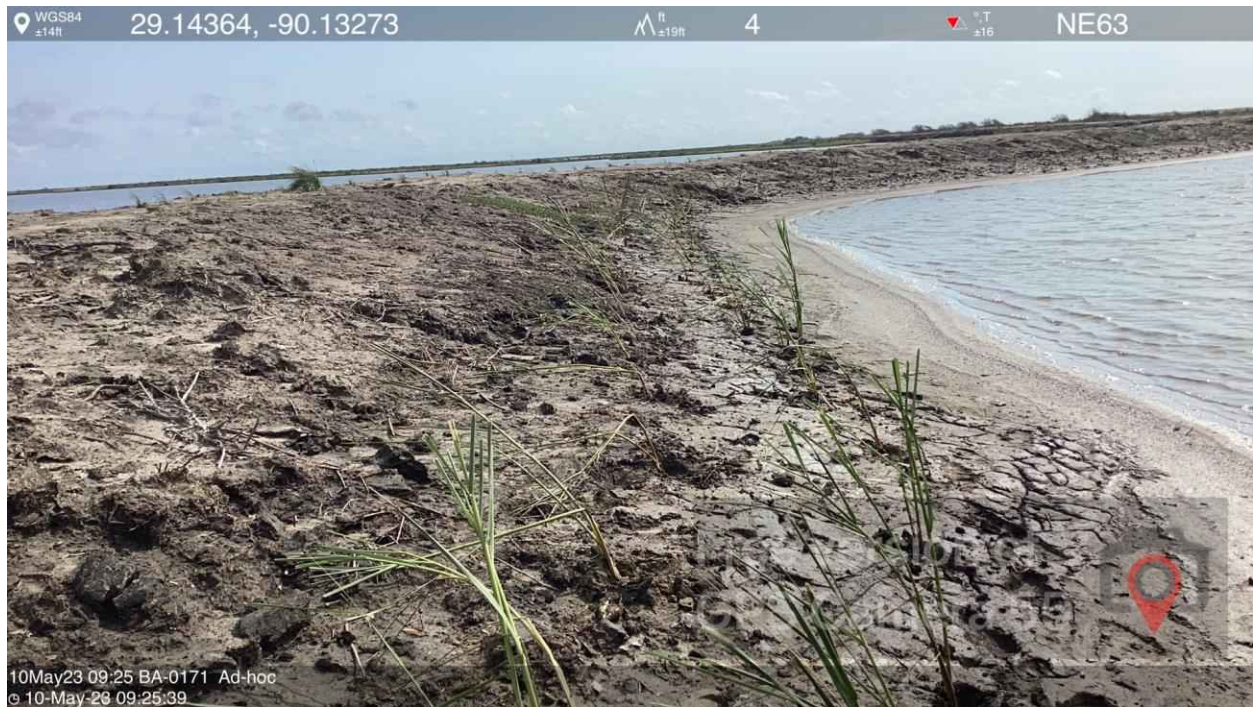
On Site Equipment List	
1	UTV(2)
2	Sand Trailer
3	Deck Boat
4	
5	
6	
7	
8	
9	
10	

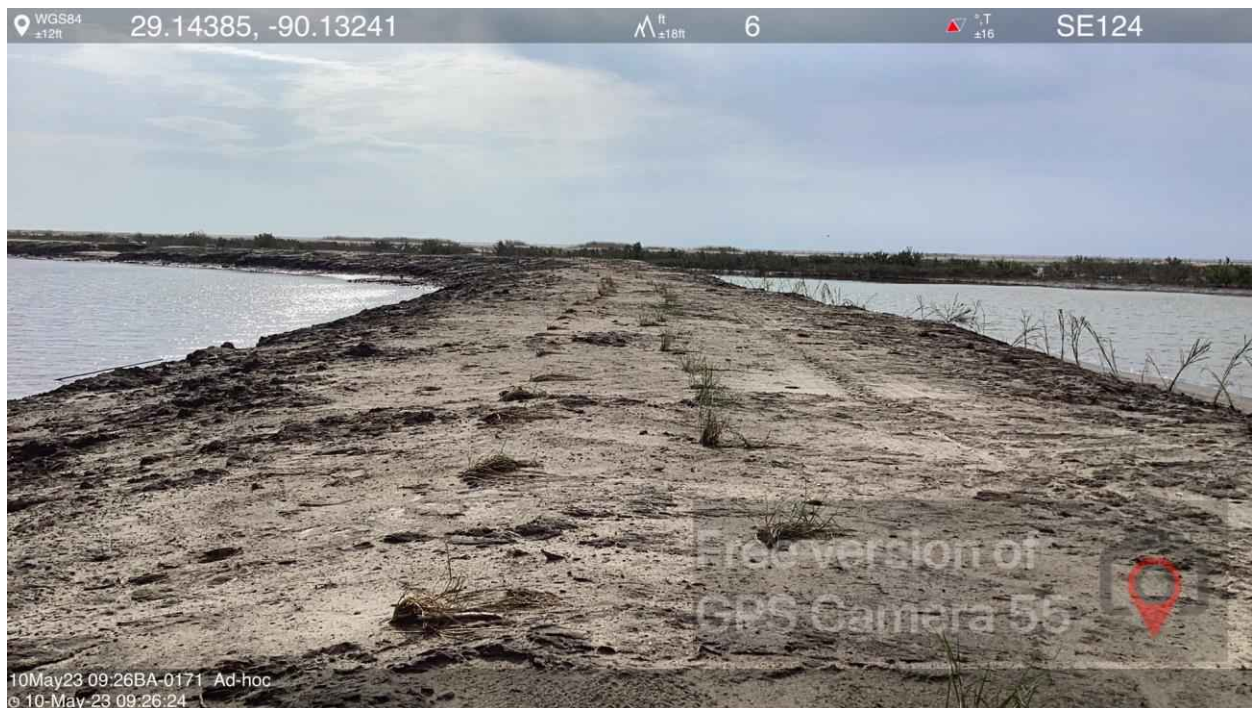


VESSEL SAFETY CHECK			
Item	Yes	No	N/A
Display of Numbers	Y		
Registration/Documentation	Y		
Personal Floatation Devices (PFD)	Y		
Visual Distress Signals (VDS)	Y		
Fire Extinguishers	Y		
Ventilation			N/A
Backfire Flame Control	Y		
Sound Producing Devices	Y		
Navigation Lights	Y		
Overall Vessel Condition: as applies			
a. Clean Bilge	Y		
b. Electrical Systems	Y		
c. Fuel Systems	Y		
d. Galley			N/A

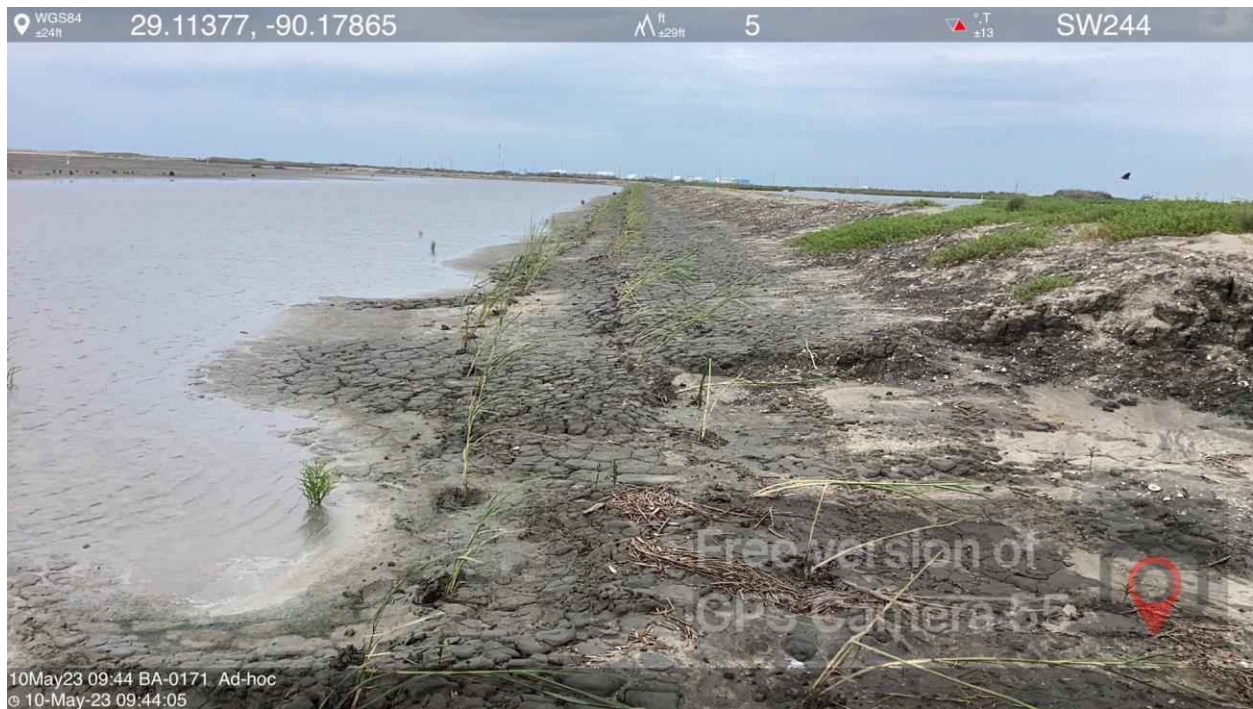
PICTURES:

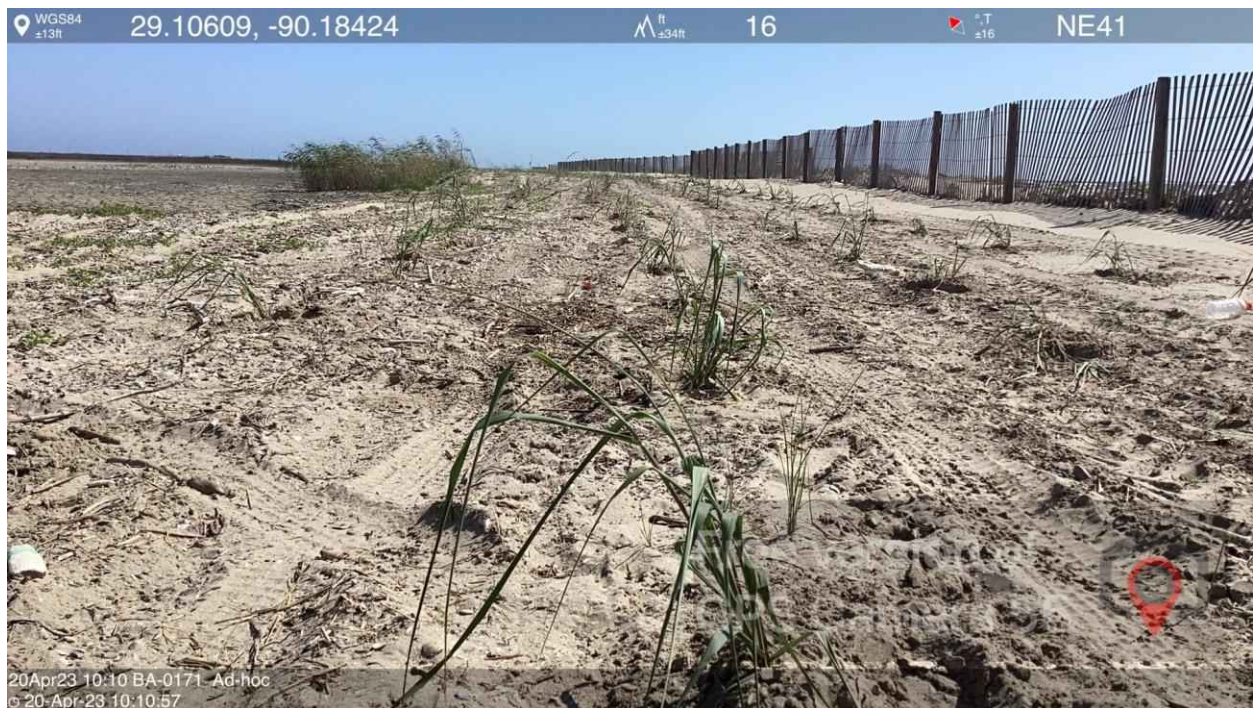
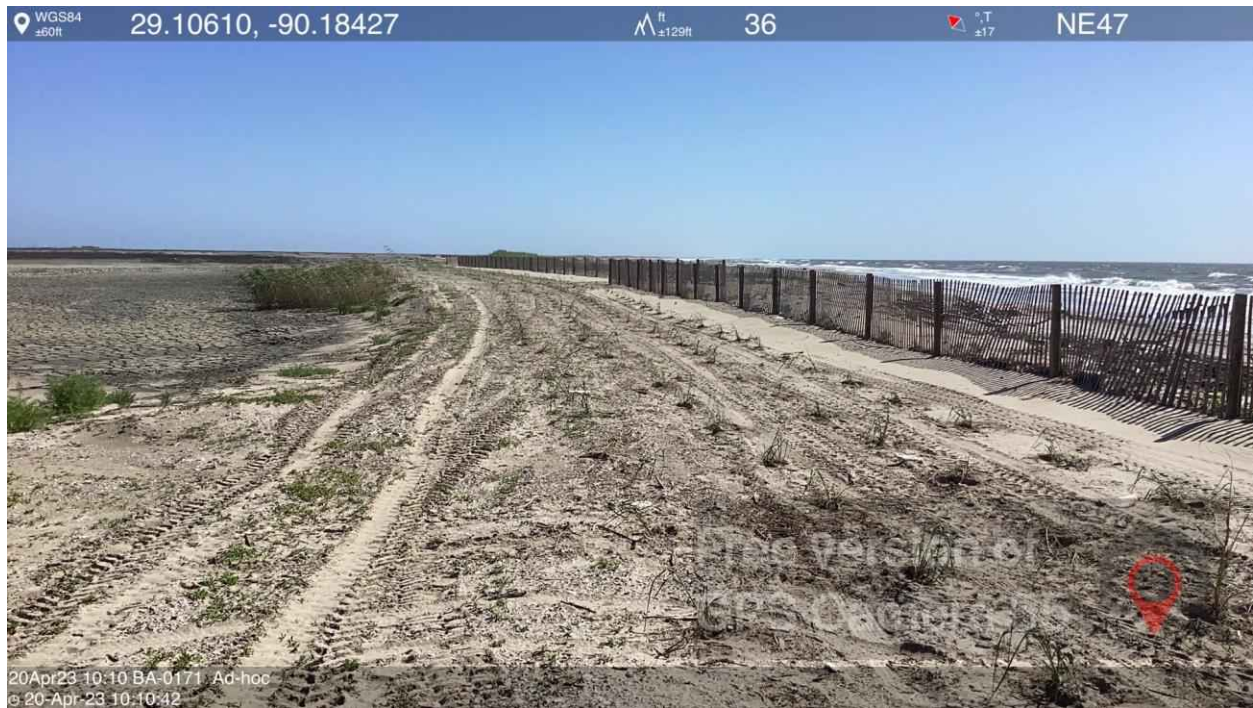


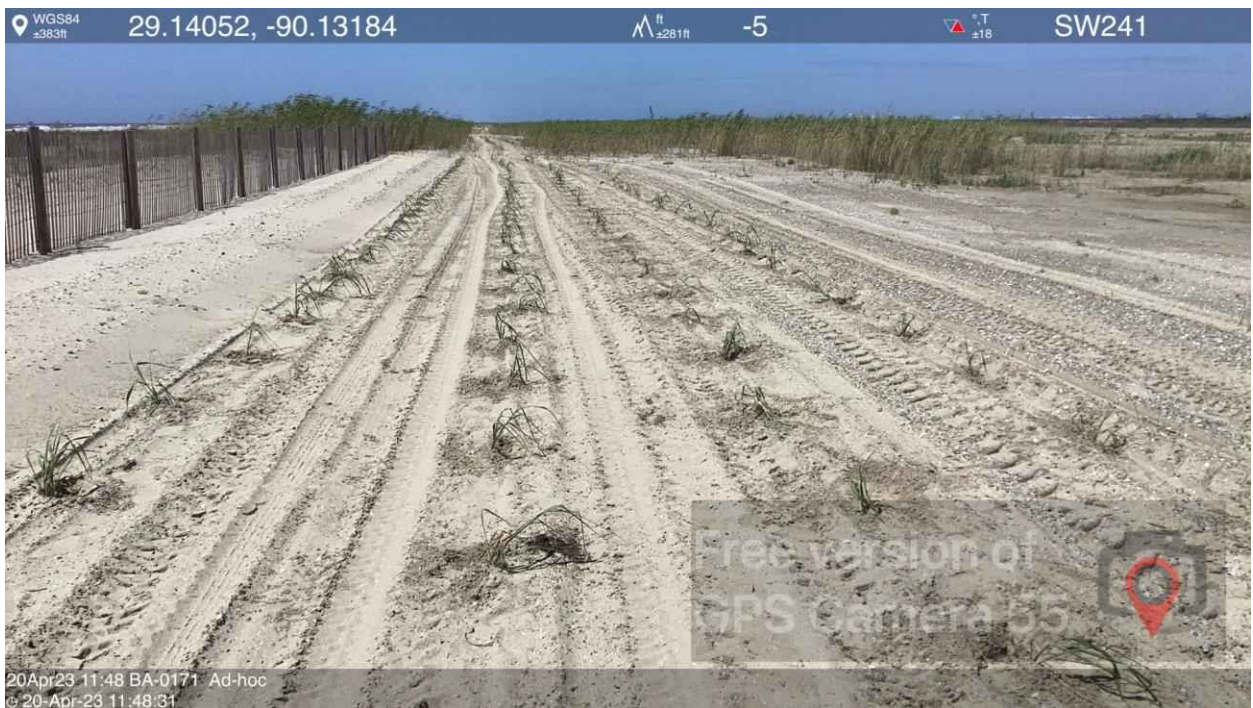


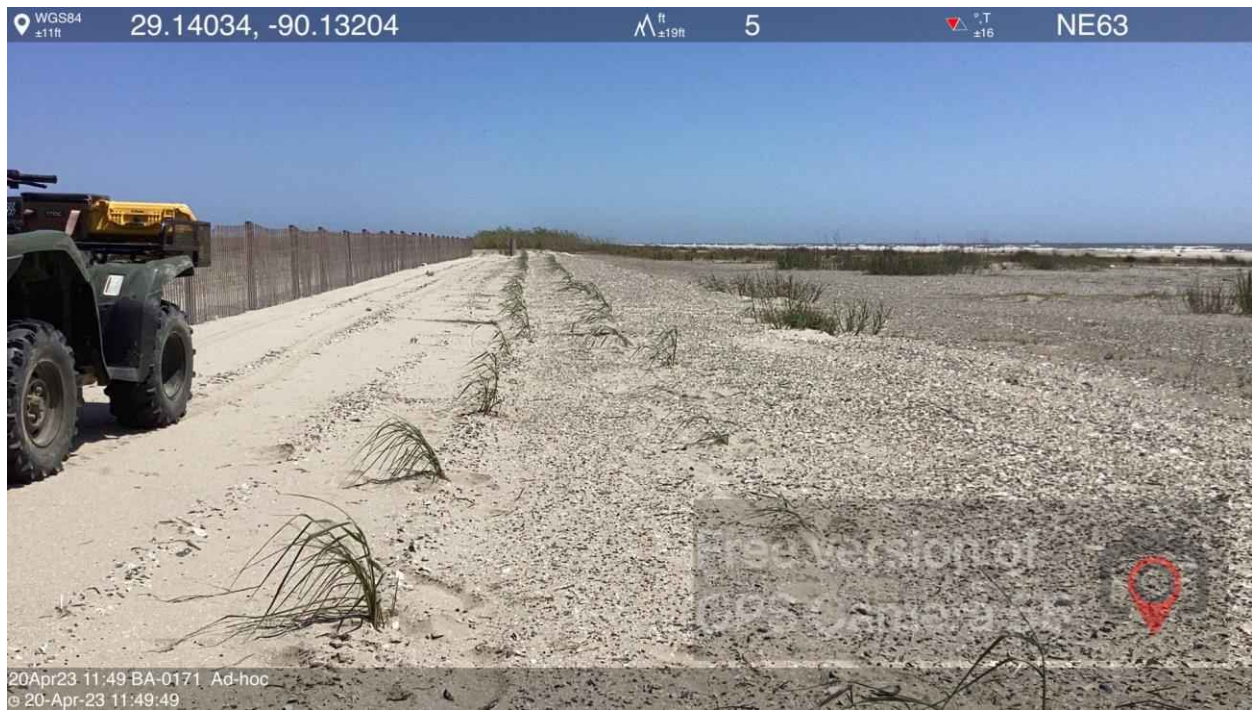


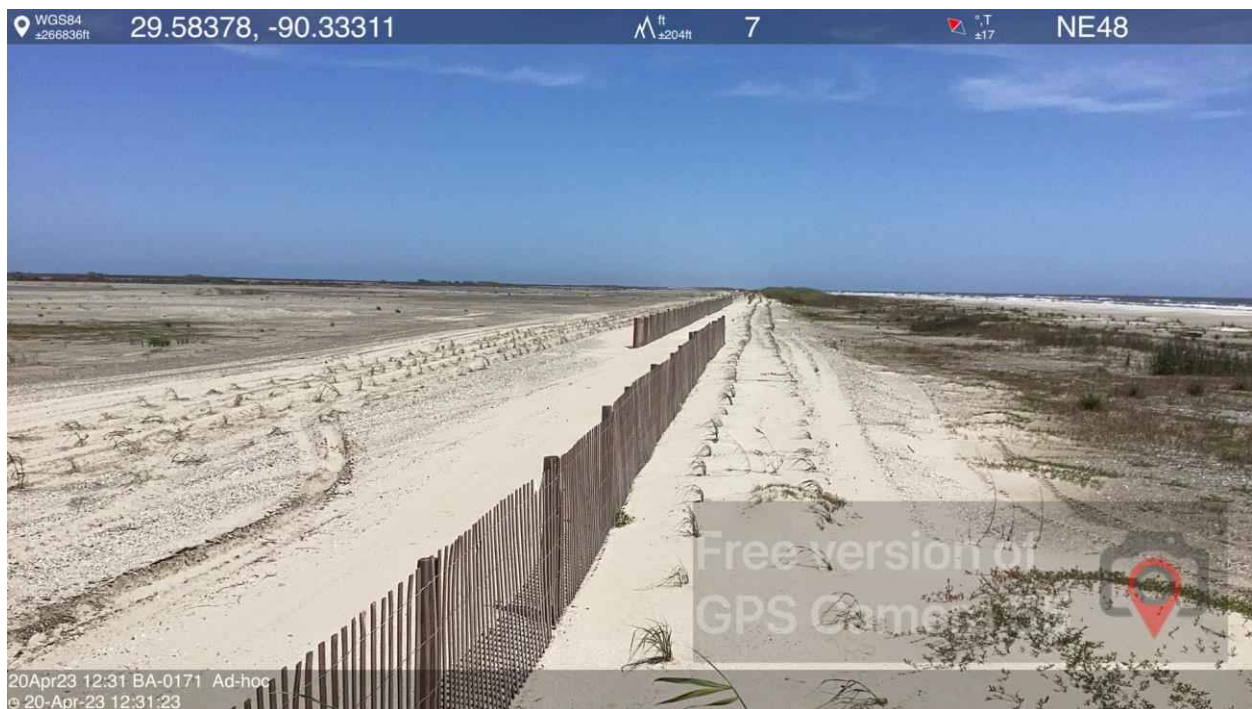
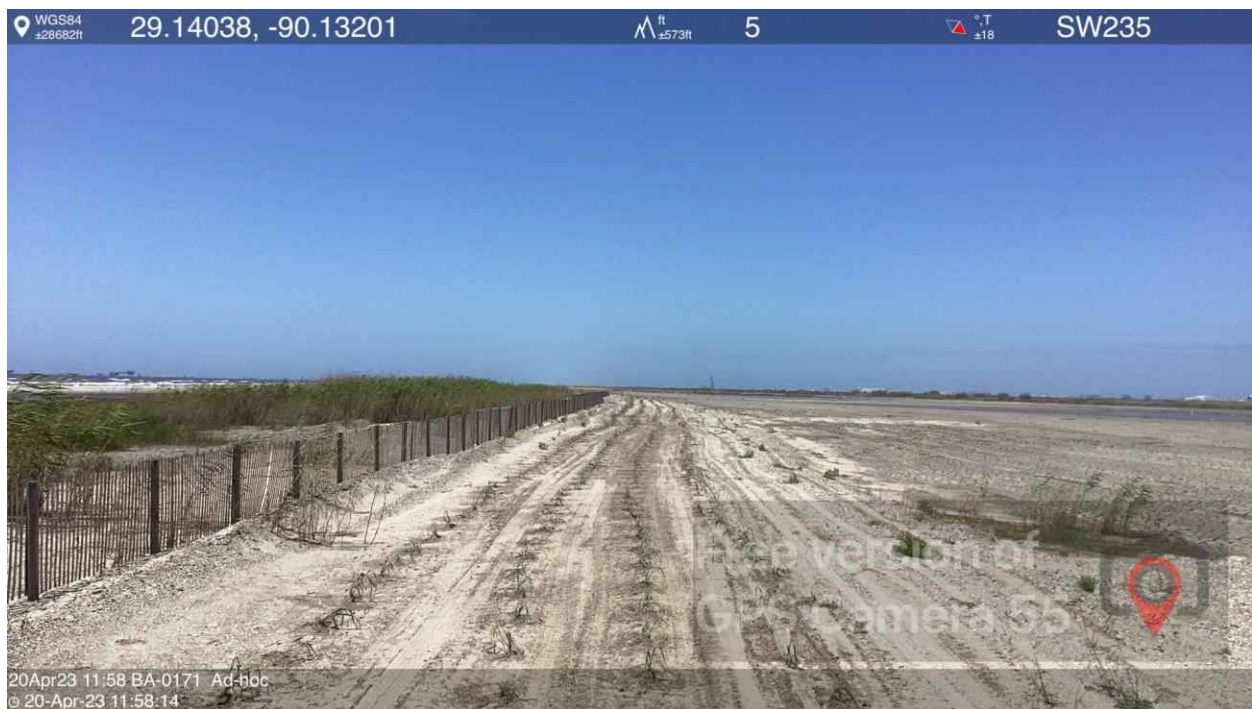






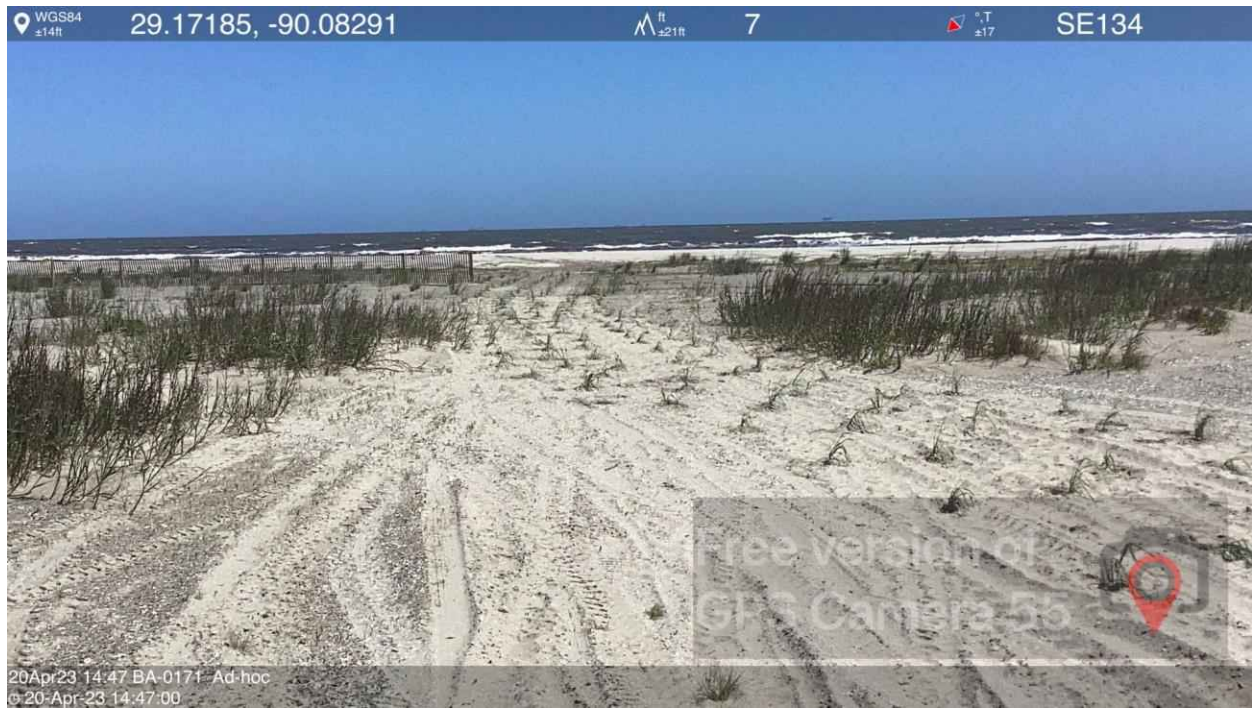
















Sincerely yours,

Graham Leger

Graham Leger
Field Support Manager

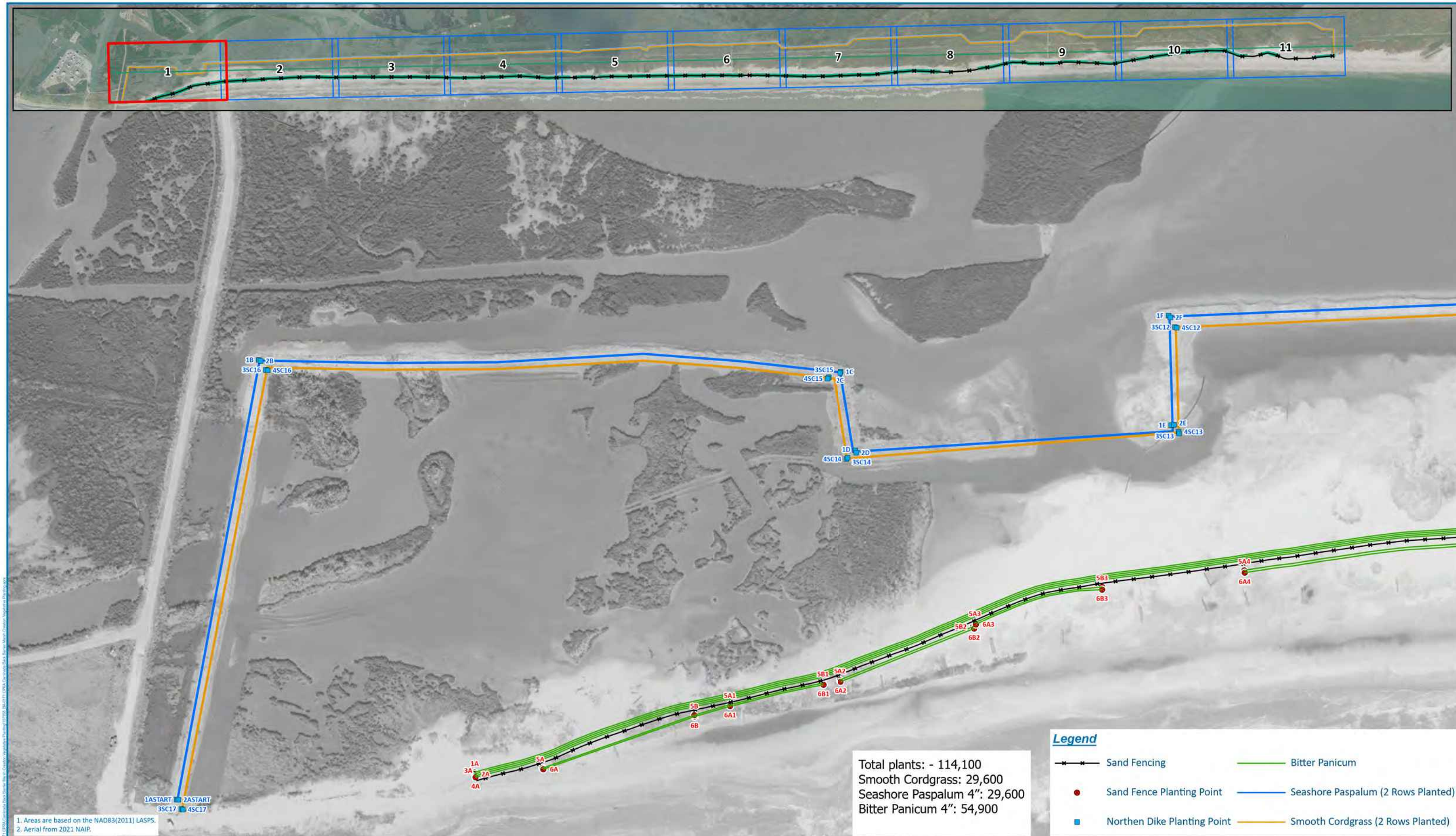


FIGURE 1-1

CPRA - CAMINADA BACK BARRIER
 2023 MARSH CREATION VEGETATIVE PLANTING
 JEFFERSON PARISH LOUISIANA

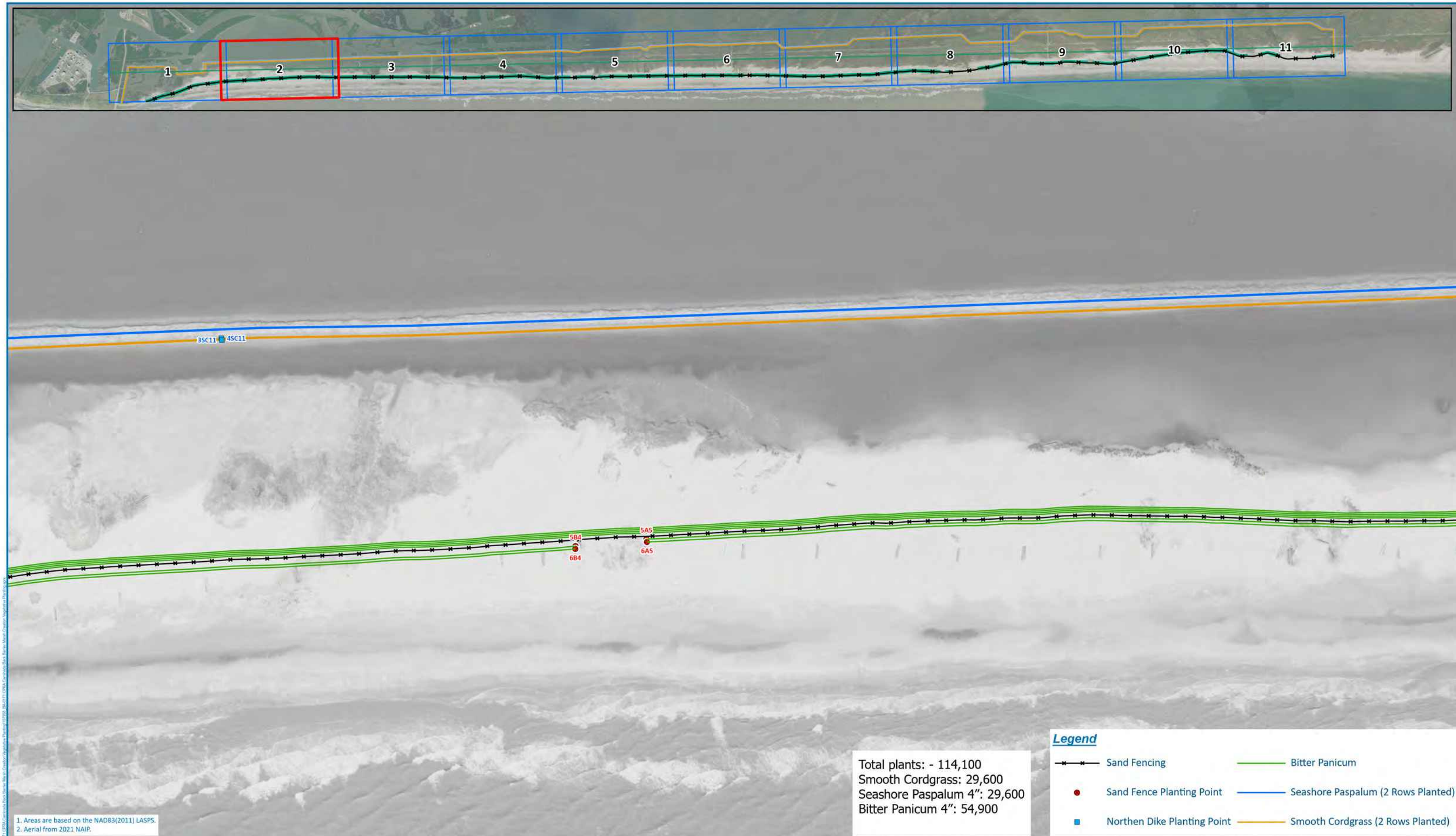
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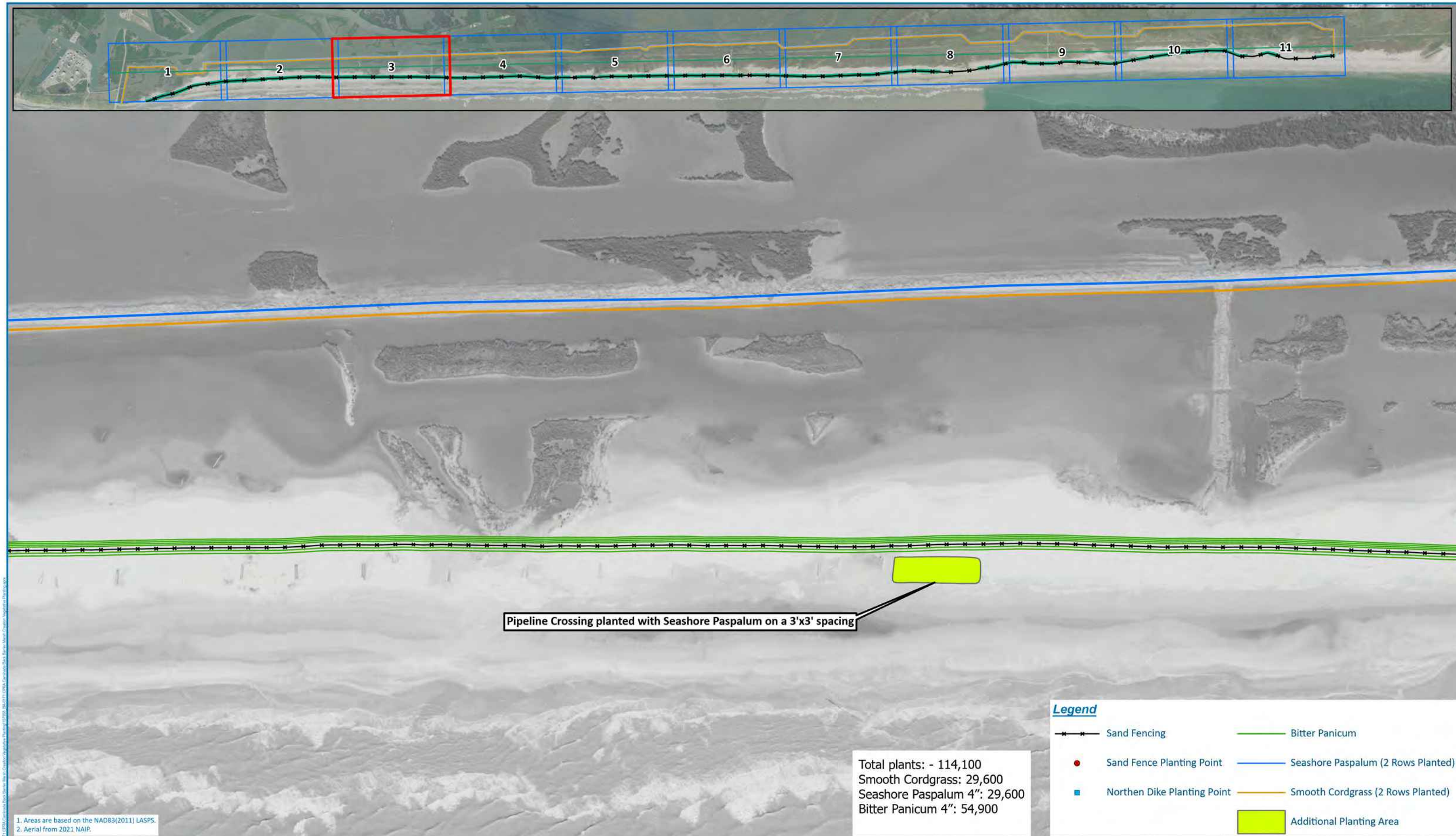
Drawn by: BL

Checked by: GL

Project No.: 107958







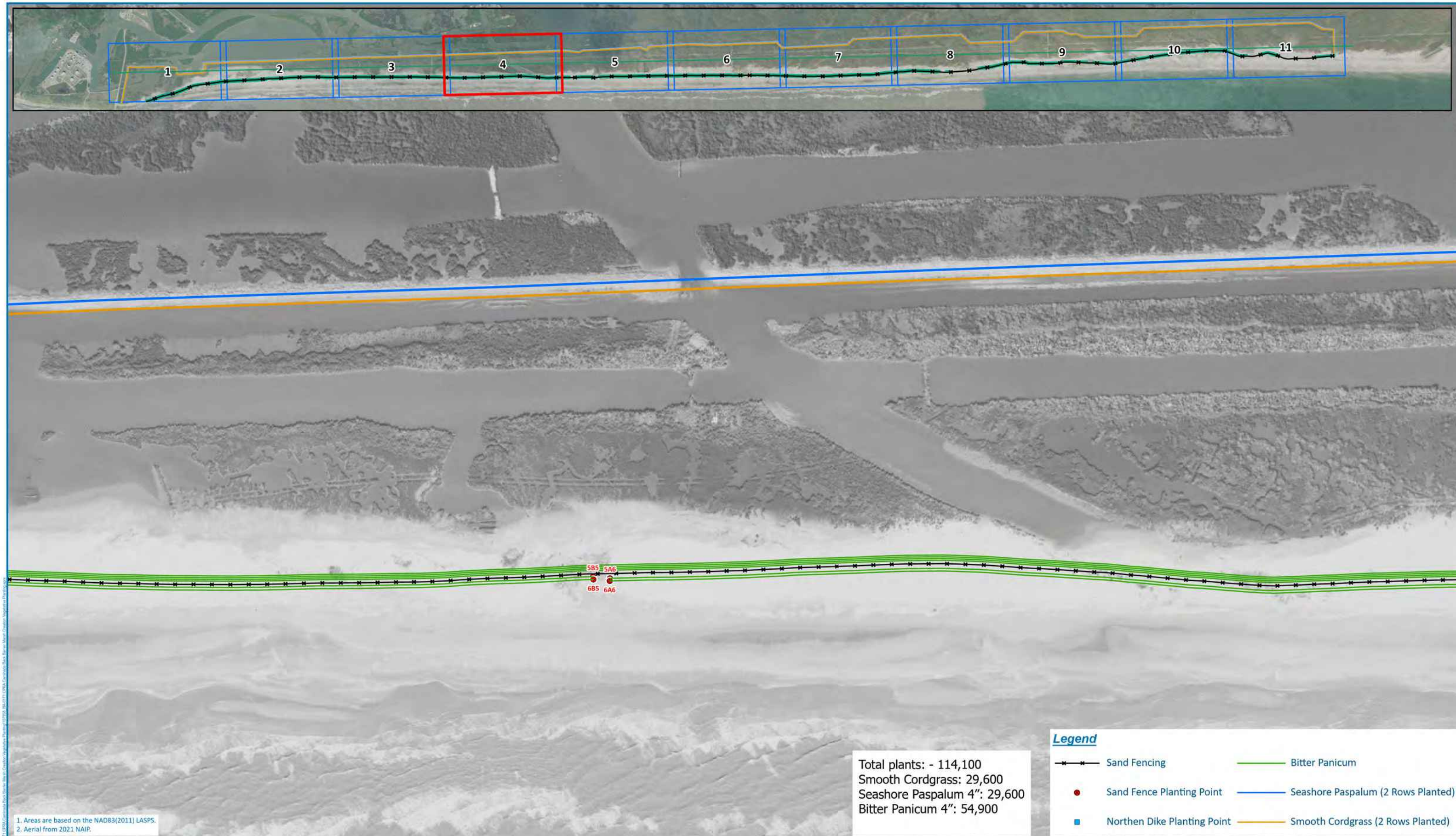


FIGURE 1-4

CPRA - CAMINADA BACK BARRIER
2023 MARSH CREATION VEGETATIVE PLANTING
JEFFERSON PARISH LOUISIANA

Date: 6/7/2023

Drawn by: BL

Checked by: GL

Project No.: 107958



0 150 300
Feet

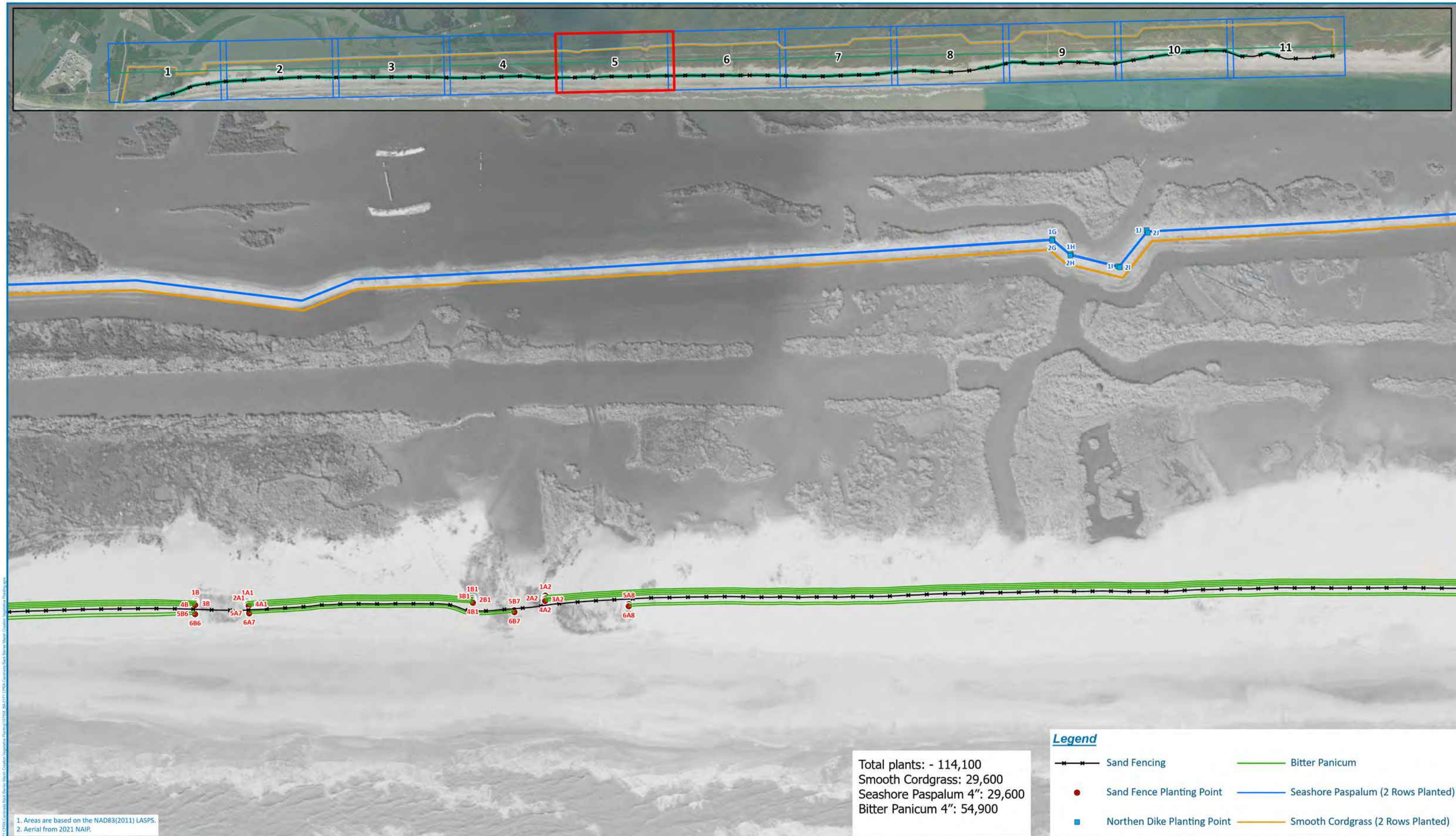
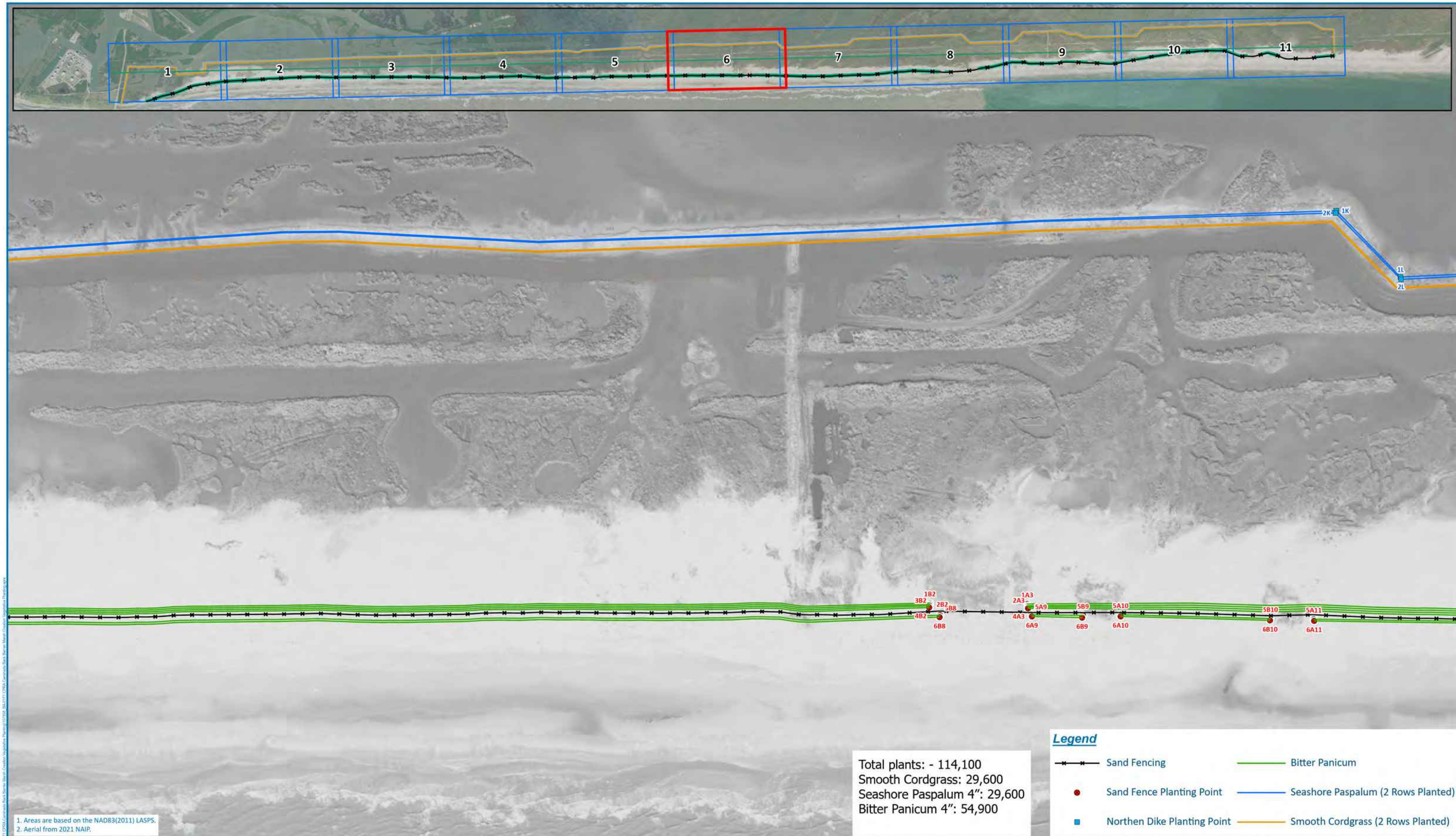


FIGURE 1-5
CPRA - CAMINADA BACK BARRIER
2023 MARSH CREATION VEGETATIVE PLANTING
JEFFERSON PARISH LOUISIANA



1. Areas are based on the NAD83(2011) LASPS.
2. Aerial from 2021 NAIP.

Total plants: - 114,100
Smooth Cordgrass: 29,600
Seashore Paspalum 4": 29,600
Bitter Panicum 4": 54,900

Legend

—x—x— Sand Fencing	— Bitter Panicum
• Sand Fence Planting Point	— Seashore Paspalum (2 Rows Planted)
■ Northern Dike Planting Point	— Smooth Cordgrass (2 Rows Planted)

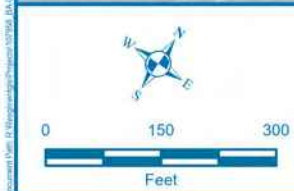
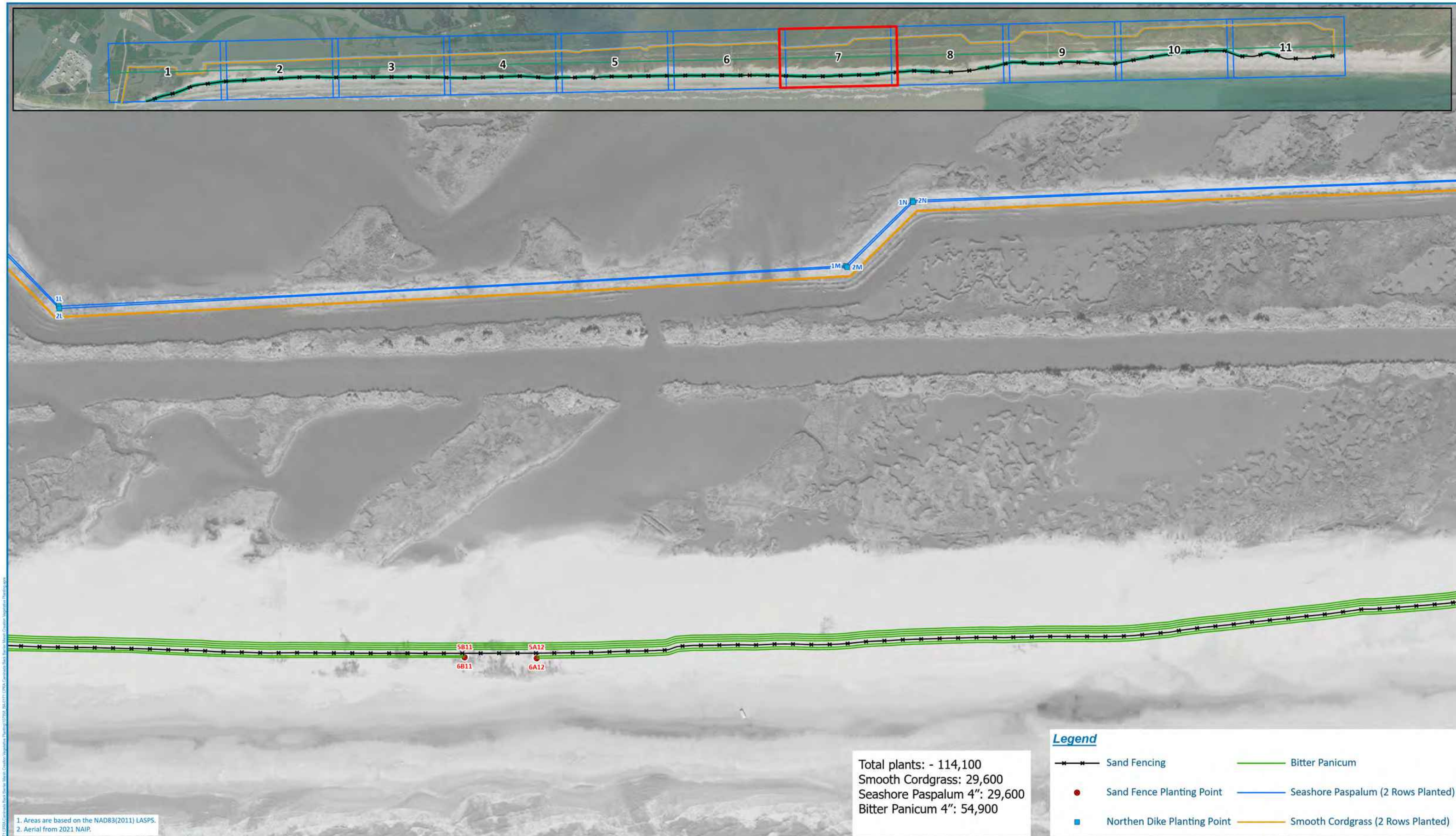


FIGURE 1-6
CPRA - CAMINADA BACK BARRIER
2023 MARSH CREATION VEGETATIVE PLANTING
JEFFERSON PARISH LOUISIANA

Date: 6/7/2023	
Drawn by: BL	
Checked by: GL	
Project No.: 107958	



Document Date: 6/7/2023; Project: CPRA Caminada Back Barrier; Map: 2023 Marsh Creation Vegetative Planting; Scale: 1" = 300'; Date: 6/7/2023; Drawn by: BL; Checked by: GL; Project No.: 107958

1. Areas are based on the NAD83(2011) LASPS.
2. Aerial from 2021 NAIP.

Total plants: - 114,100
Smooth Cordgrass: 29,600
Seashore Paspalum 4'': 29,600
Bitter Panicum 4'': 54,900

Legend

—x—x—	Sand Fencing	—	Bitter Panicum
●	Sand Fence Planting Point	—	Seashore Paspalum (2 Rows Planted)
■	Northern Dike Planting Point	—	Smooth Cordgrass (2 Rows Planted)

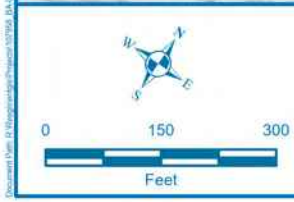


FIGURE 1-7
CPRA - CAMINADA BACK BARRIER
2023 MARSH CREATION VEGETATIVE PLANTING
JEFFERSON PARISH LOUISIANA

Date: 6/7/2023	
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Checked by: GL	
Project No.: 107958	

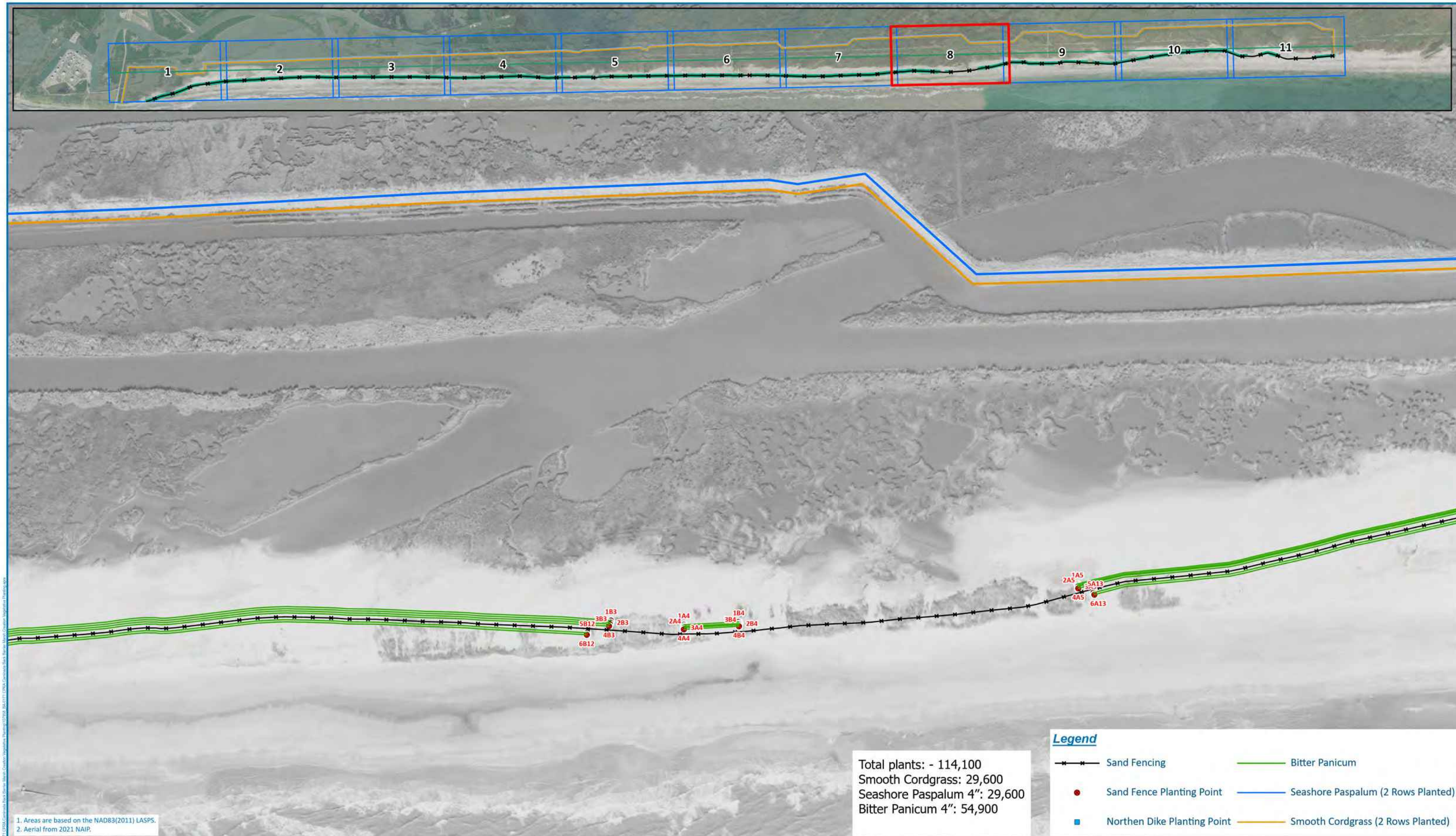


FIGURE 1-8

CPRA - CAMINADA BACK BARRIER
 2023 MARSH CREATION VEGETATIVE PLANTING
 JEFFERSON PARISH LOUISIANA

Date: 6/7/2023
 Drawn by: BL
 Checked by: GL
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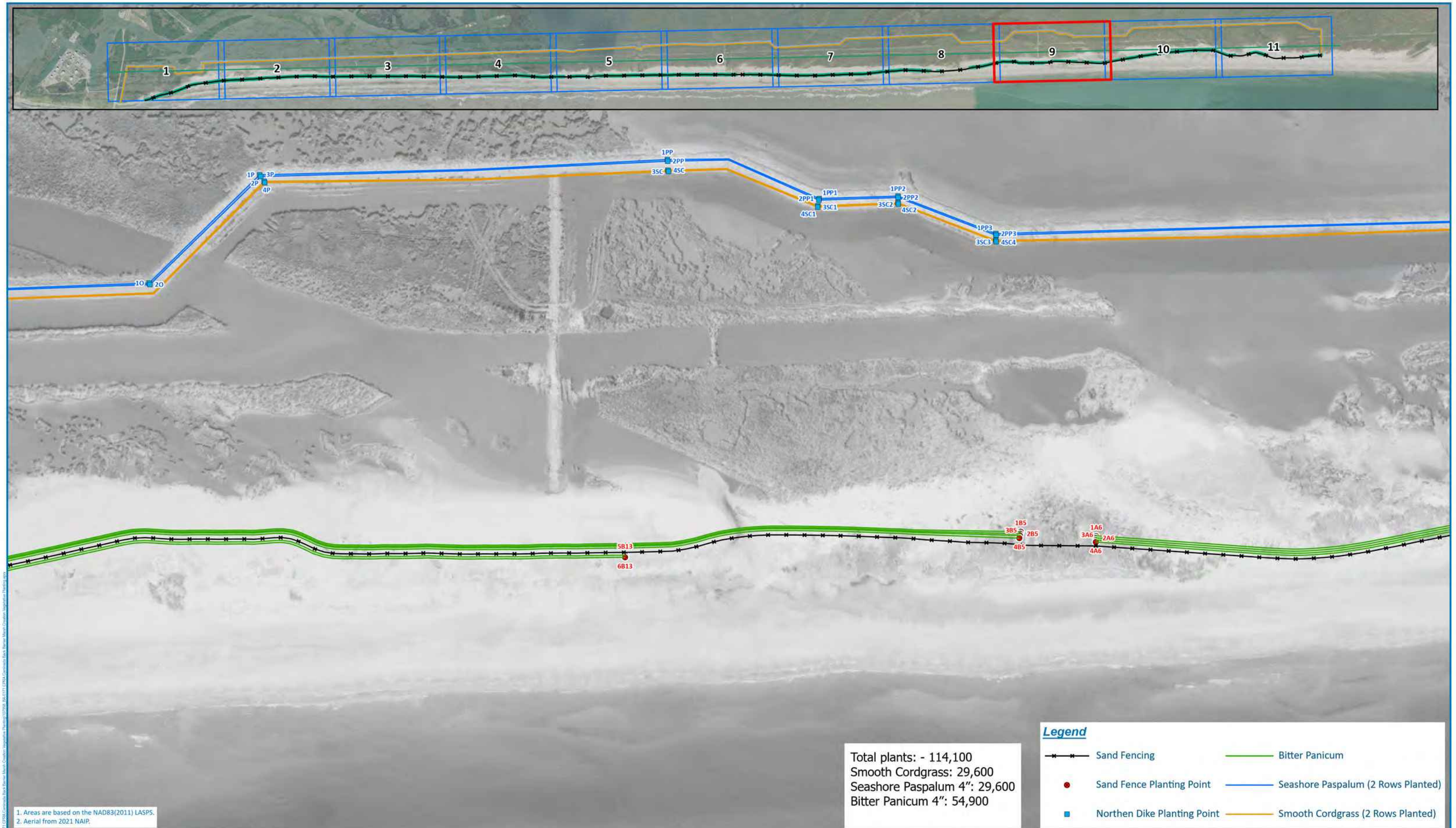


FIGURE 1-9
CPRA - CAMINADA BACK BARRIER
2023 MARSH CREATION VEGETATIVE PLANTING
JEFFERSON PARISH LOUISIANA

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Drawn by: BL

Checked by: GL

Project No.: 107958



