



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2023/2024
Beach Projects Application

PART I: GENERAL INFORMATION

Local Sponsor

Federal ID Number (FEID)

Primary Contact Name Title

Mailing Address Line 1

Mailing Address Line 2

City Zip Code Telephone Number

Email Address

Additional Contact Information

PART II: CERTIFICATION

I hereby certify that all information provided with this application is true and complete to the best of my knowledge.

Signature of Local Sponsor

A handwritten signature in black ink, appearing to read "Daniel Munt", is written over a rectangular box.

Electronic or scanned signatures accepted.

Printed Name

Date



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PART III: EVALUATION CRITERIA

1. Project Name: (as listed in the Strategic Beach Management Plan)

Captiva Island Beach Renourishment Project, Lee County (identified in the 2018 SBMP as the Lee County Shore Protection Project)

2. Project Description: Include county, location with reference to DEP range monuments, brief project history, and description of proposed activities.

The Captiva Island Beach Renourishment Project is located on the southwest Florida coastline in Lee County. The project includes the periodic nourishment and monitoring of Captiva Island, which also has federal authorization under the Lee County Shore Protection Project. The project area is located between FDEP reference monuments R-83 and R-109 within FDEP designated critically eroded areas and is identified in the FDEP's 2020 Strategic Beach Management Plan.

The project area has received sand during 8 nourishment events dating back to 1961. Of these events, 4 were constructed with federal participation of the U.S. Army Corps of Engineers (USACE) in 1989, 1996, 2006, and 2008. The 2013-2014 project was constructed in 2013-14 without USACE participation. The 2021 project was permitted under a 15-year multi-use permit (FDEP #0200269-009-JC) issued December 2014.

Approximately 4.85 miles of shoreline was nourished with 845,600 cubic yards of sand between September 1 and November 9, 2021. The sand was placed on the beaches using Great Lakes Dredge & Dock Company's (GLDD) trailing suction hopper dredges Dodge and Padre Island. All of the shoreline was renourished with sand from Borrow Area VI-E, which is located approximately 8.3 nautical miles offshore of the center of Captiva Island.



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3. Use of Requested Program Funds: Provide a brief description of tasks to be completed in each requested phase (Feasibility, Design, Construction, Monitoring, or USACE Multiphase). Indicate which tasks are cost reimbursement from previous fiscal years.

No funds are requested in FY 23/24.

The applicant requests the FDEP confirm physical and environmental monitoring for FY23/24 is included in FDEP Agreement 21LE1_A1.

4. Map: Provide as an attachment. The map(s) of the project area must be formatted at a minimum of 1" = 200' scale and include a compass rose and legend.

Map elements must include:

1. **Project boundary:** DEP reference monuments and shoreline designated as critically eroded
2. **Eligibility:** Indicate lengths of eligible shoreline based on criteria outlined in Chapter 62B-36.007, F.A.C.
 - a. **Beach access locations:** indicate primary or secondary access, and include the shoreline length, number and location of auto parking spaces, mass transit stops, bike parking spaces, and public restroom facilities within 1/4 mile walking distance of each access
 - b. **Public lodging establishments:** include the length fronting the project shoreline, and include the length of street-side frontage for lodging within 1/4 mile walking distance of a secondary beach access location
3. **Recreational benefits:** Comprehensive list of current land use designations of properties fronting the project shoreline
4. **Value of upland property:** Include one-quarter mile buffer and provide a comprehensive list of the values of properties (data from year 2020) that are enclosed or intersected by the buffer. The 2020 property value tax roll data and ArcGIS shapefiles can be obtained from the Department of Revenue website: https://floridarevenue.com/property/Pages/DataPortal_RequestAssessmentRollGISData.aspx. See Guidance Document for more information.

5. Project length: Total restored project length (in feet) of the critically eroded area (as listed in the Strategic Beach Management Plan).

R-83 to R-109, Approximately 26,611 feet



- **Location/Access Name:** Use the official name of the park or road that is associated with the public access.
- **DEP Reference Monument:** Use the DEP monument that is closest to the main public access location.
- **Type of Access:** Indicate Primary or Secondary beach access in accordance with the definitions in Chapter 62B-36, F.A.C.
- **Width of Access/Frontage:** The length of the legal boundary (in feet) of the public access or lodging along the beach project shoreline. For public lodging establishments that do not front the beach, indicate the street-side length of the legal property boundary (in feet) that is used as the main access to the establishment.
- **Number of Eligible Units:** A unit is defined as one automobile parking space, one rental unit in a public lodging establishment, one mass transit stop, or four bicycle parking spots.
- **Additional Width from Eligible Units:** Total distance (feet) added to the Width of Access/Frontage. If there are multiple types of eligibility units used for this calculation, show the calculation separately for each.
- **Total Eligible Shoreline:** Sum of the Width of Access/Frontage and Additional Width from Eligible Units columns. Eligible shorelines cannot overlap.
- **Website Link for DBPR License:** Provide the link to the Department of Business and Professional Regulation (DBPR) website for proof of licensure for any public lodging establishments used for eligibility or the Recreational Benefits ranking criteria.

[illegible]



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- 7. Schedule and Budget:** Provide as a separate attachment, if needed. Clearly indicate project phase: Feasibility (F), Design (D), Construction (C), Monitoring (M), or USACE Multiphase (USACE). Include the year of post-construction monitoring in the description.
- **Cost Reimbursement:** Specify eligible costs incurred during the three years prior to the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed (this includes fiscal years 20/21, 21/22, and 22/23). Eligible costs will be added to the current funding request.
 - **Current and Future Costs:** Specify eligible costs for the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed as well as the estimated costs for the next 4 years. Note: If Construction costs are requested in the current fiscal year, then the Year 1 Post-Construction Monitoring costs will be added to the current funding request.

Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
20/21						
20/21						
20/21						
21/22						
21/22						
21/22						
22/23						
22/23						
22/23						
23/24	Monitoring	Physical and Environmental	0	26,970	101,030	128,000
23/24						
23/24						
24/25	Monitoring	Physical and Environmental	0	27,770	104,030	131,800
24/25	Design	Redfish Pass (Storm/Supplemental Borrow Area) Permit Modification	0	10,535	39,465	50,000
24/25						



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Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
25/26						
25/26						
25/26						
26/27	Monitoring	Physical and Environmental	0	29,456	110,344	139,800
26/27						
26/27						
27/28	Design	State and Federal Permitting for Captiva Island Beach Renourishment Project	0	29,498	110,502	140,000
27/28						
27/28						

8. Tourism-related impacts: Criteria is calculated by the Department using 2020 data. For reference, tax data can be obtained from the Department of Revenue website: https://floridarevenue.com/taxes/pages/colls_from_7_2003.aspx. See Guidance Document for more information.

☐ Current funding request includes construction and year one post-construction monitoring

☐ Project is managed by two or more counties

Additional comments

9. Federal involvement: The documentation to verify authorization, federal cost share percentage, and status of funding award must be provided with the application materials for the award of points.

Is the project Federally authorized by the USACE?

Authorization Year:

Expiration Year:

Does this project have a signed USACE Chief's report or Civil Works Congressional authorization for the requested phase?

USACE federal cost share percentage for this project (excluding FCCE):



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Select all that apply for the requested project phase(s) and include documentation with application materials.

- ☐ Executed USACE project agreement
- ☐ Included in USACE work plan
- ☐ Approved FEMA Project Worksheet
- ☐ Included in Congressional Appropriations Act
- ☐ Other documentation:

10. Storm damage reduction benefits: Criteria is calculated by the Department.

What is the volume (cy) of advanced nourishment lost since the last sand placement event of a beach restoration or nourishment project as measured above the Mean High Water contour? Data should be consistent with the annual post-construction monitoring reports.

For restoration projects, what is the historical erosion rate?

11. Cost effectiveness: Criteria is calculated by the Department. A project design analysis and supporting documentation must be provided with the application materials for the award of points. See Guidance Document for more information.

What is the proposed sand placement volume (cy)?

What is the nourishment interval (years)?

Select all that apply for the current project funding request:

- ☐ Enhanced longevity: Propose structural or design components that could extend the beach nourishment interval
- ☐ Dune addition: Incorporate new or enhanced dune structures or new or existing dune restoration and revegetation projects
- ☐ Innovative technology: Propose innovative technologies designed to reduce project costs
- ☐ Regionalization: Two or more local sponsors manage projects together or projects propose regional sediment management strategies to conserve sand resources or reduce project costs

Additional comments
for storm damage
reduction benefits and
cost effectiveness



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12. Previous state commitment

Has the Department previously reviewed, approved, and cost-shared on a feasibility or design phase for this project?

Has the current proposed project phase(s) received a partial state appropriation within 3 years of phase completion?

Additional comments

13. Accessible beach area: Criteria is calculated by the Department. Provide additional information for consideration.

Describe the landward and seaward edge of the accessible beach width

Provide the project boundaries (R-monuments)

Provide citations of reference sources

14. Recreational benefits: Provide the percentage of linear footage within the project boundaries which is zoned recreational or open space; for commercial use; or to allow for public lodging establishment, or the equivalent. Provide additional documentation and DBPR website link in a separate attachment, if needed.

15. Mitigation of inlet effects: Criteria is calculated by the Department.

Additional comments

16. Successive unfunded requests

Is the current proposed project phase(s) a successive, unfunded request? If so, how many years of successive request(s) is the current application?

Does the successive request add the construction phase?



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17. Environmental habitat enhancement: Criteria is calculated by the Department. See Guidance Document for more information.

Is the project within a designated critical habitat area for threatened or endangered species that is subject to extensive shoreline armoring?

Is the project within a non-designated area where extensive shoreline armoring threatens the habitat of threatened or endangered species?

If yes to either of the above, does the project exceed best management practices to incorporate turtle-friendly designs and management strategies to protect resources or benefit critical habitat preservation?

Provide an explanation and supporting documentation for the strategies which exceed best management practices

18. Readiness to construct

Does the project have an active state permit?

Does the project have an active federal permit?

Permit number

Permit number

Authorization date

Authorization date

Expiration date

Expiration date

Have all necessary easements been acquired for the upcoming or proposed construction phase?

Has the necessary local funding been secured for the proposed project? If so, provide a copy of the draft Resolution. The signed Resolution is due by October 5, 2022.

Is an Erosion Control Line established along the project length?

Additional comments for readiness to construct



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Provide additional information and comments below or attach supporting documents.

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6. Eligibility: Required for all beach projects pursuant to Chapter 62B-36.007, F.A.C. Provide as a separate attachment, if needed.

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible shoreline (feet)
South Seas Island Resort	R-83 to R-84	Hotel	820	0	0	820
South Seas Island Resort	R-84 to R-86	Hotel	1,997	107	0	1,997
Plantation Beach Club	R-87 to R-88	Hotel	1,177	340	0	540
South Seas Island Resort	R-90 to R-93.5	Hotel	3,487	340	0	1,600
*Hagerup Beach Public Access	R-93.5	Secondary	293	45	2,376	2,669
*Andy Rosse Lane	R-94.6	Secondary	52	6	317	369
Captiva Inn	R-94.6	Hotel	250	18	0	250
Twin Palms	R-95	Hotel	175	15	0	175
*Chapin Lane	R-95.5	Secondary	10	4	211	221
Jensen's	R-96	Motel	76	10	0	76
American Realty of Captiva	R-96	Motel	180	14	0	180
Tween Water	R-99	Motel	800	137	0	800
Turner Beach Park	R-109	Secondary	195	25	1320	1,515
Subtotal						10,578
*Bicycle Racks (16 @ Hagerup Beach & 16 @ Andy Rosse Lane & 16 @ Chapin Lane)						634
Total						11,212
Project Length						26,611
Eligible Shoreline						42.13%
State Cost Share						21.07%

South Seas Island Resort

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=2E853B69628AC3F4695EE714854C0548>

Plantation Beach Club

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=7ACDF1C19F06E804D8BF95EC2941838D>

South Seas Island Resort

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=2E853B69628AC3F4695EE714854C0548>

Captiva Inn

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=7D1D7049FB2E995BE7C2C5AFEC24538D>

American Realty of Captiva

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=587512DF2B87870ED7273249F3A068D0>

Twin Palms

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=3D062F168025E00EF10957276BD31F19>

Jensen's

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=D49DD35D0AB0549F8B70F597C2B0360B>

Tween Water

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=4EBD386A5B393D4ABBE2C0FA58CAD095>



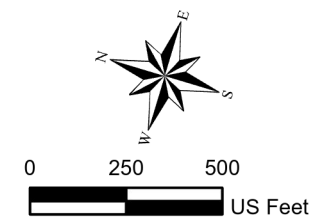
Figure 2

Notes:

1. Background imagery is from Lee County, dated January 1 through March 11, 2022.
2. Property lines and classification information was downloaded from Lee County GIS Department.

Legend:

- | | | |
|-------------------------------|----------------|--------------------|
| ▲ FDEP Monument | Property Lines | Multi-family |
| — FDEP Critical Erosion Areas | Commercial | Single Family |
| ----- 1982 ECL | Hotel/Motel | Vacant/Undeveloped |
| | Recreational | |



Title:

Local Government Funding Request
Shoreline Classification
Captiva Island, Florida



6401 Congress Avenue, Suite 140
Boca Raton, FL 33487
APTIM.com

Date: 7/11/22

Drawn By: HMV

Commission No.:
636025133

Figure 1

Figure 1

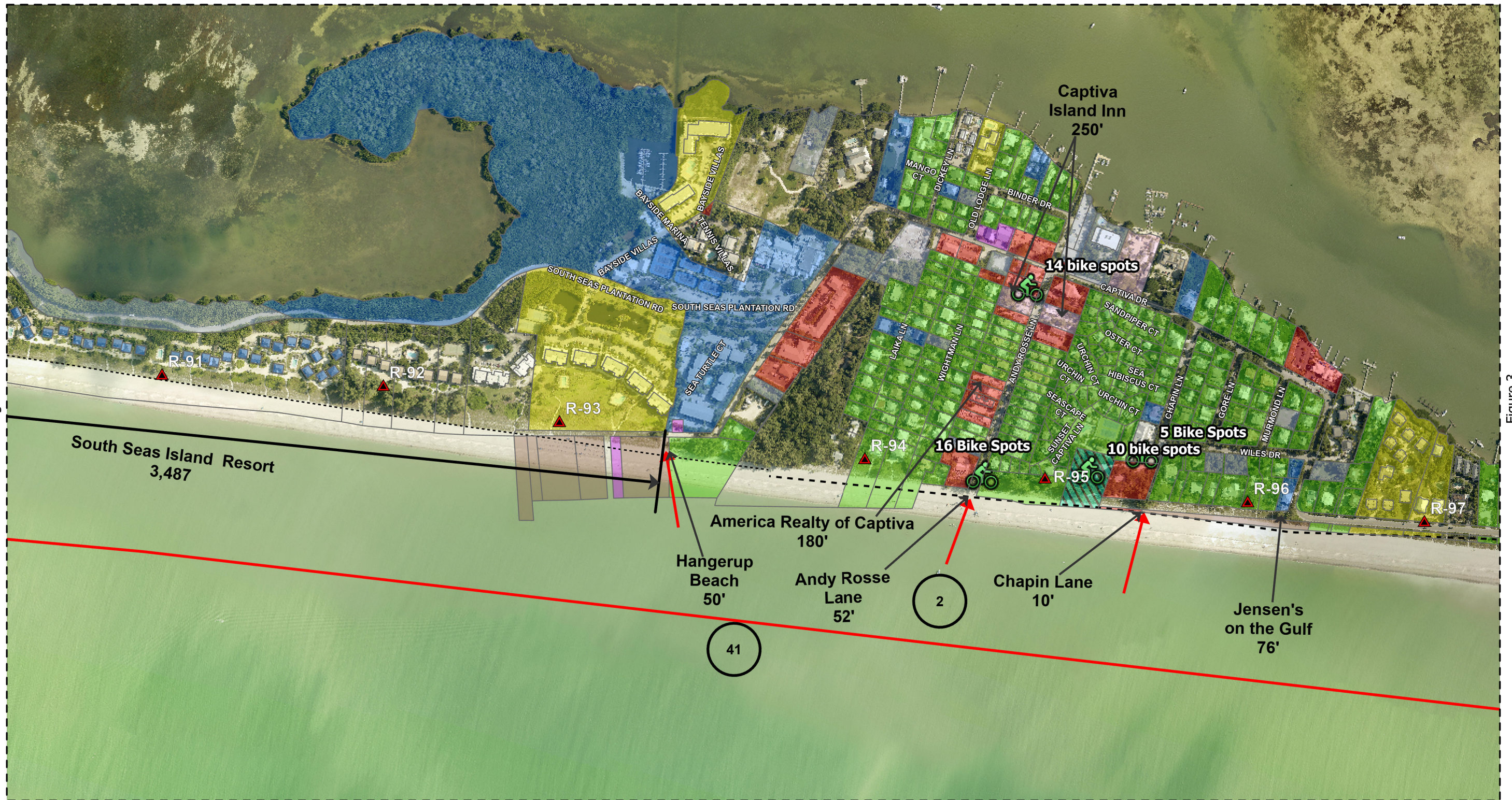


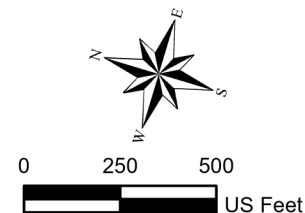
Figure 3

Notes:

1. Background imagery is from Lee County, dated January 1 through March 11, 2022.
2. Property lines and classification information was downloaded from Lee County GIS Department.

Legend:

- | | | | |
|-------------------------------|-----------------------|------------------|--------------------|
| ▲ FDEP Monument | ----- 1982 ECL | Commerical | Multi-family |
| — FDEP Critical Erosion Areas | ➔ Public Beach Access | Government Owned | Single Family |
| ○ Public Parking | Property Lines | Hotel/Motel | Submerged |
| - - - 1983 ECL | Church | Recreational | Vacant/Undeveloped |



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Figure 2

Figure 2

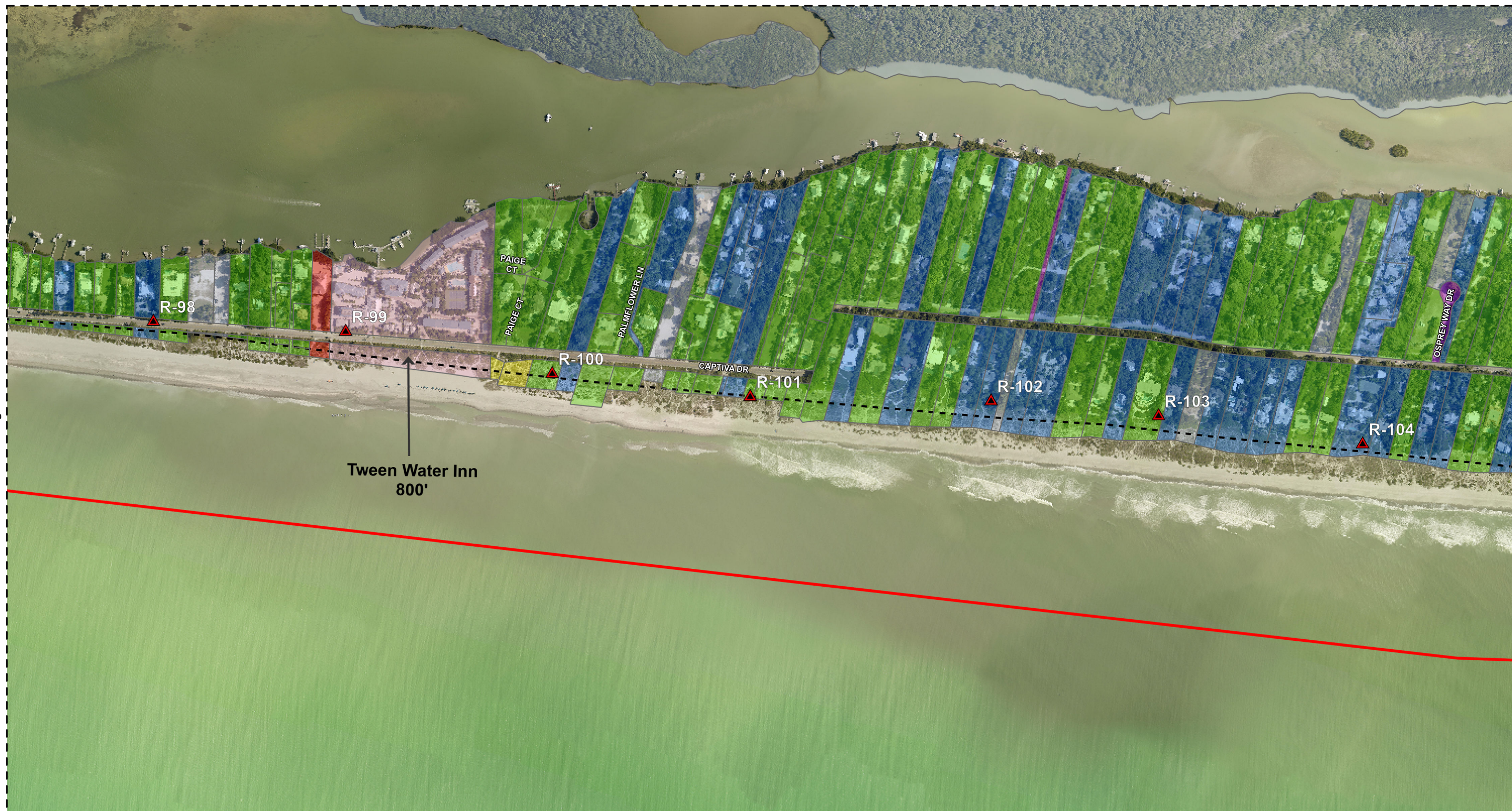


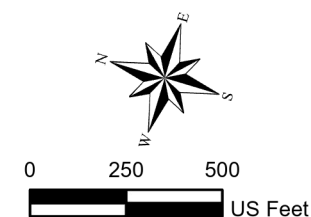
Figure 4

Notes:

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2. Property lines and classification information was downloaded from Lee County GIS Department.

Legend:

- | | | |
|-----------------------------|------------------|--------------------|
| FDEP Monument | Property Lines | Recreational |
| FDEP Critical Erosion Areas | Commerical | Multi-family |
| 1983 ECL | Government Owned | Single Family |
| | Hotel/Motel | Vacant/Undeveloped |



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Figure 3

Figure 3

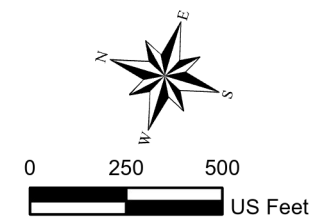


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2. Property lines and classification information was downloaded from Lee County GIS Department.

Legend:

- | | | |
|-------------------------------|-----------------------|--------------------|
| ▲ FDEP Monument | --- 1983 ECL | Government Owned |
| — FDEP Critical Erosion Areas | ➔ Public Beach Access | Multi-family |
| ○ Public Parking | □ Property Lines | Single Family |
| | □ Commerical | Vacant/Undeveloped |



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Figure 4

Captiva Erosion Prevention District

Resolution No. 2022-14

**SUPPORTING THE 2023-2024 LOCAL GOVERNMENT
FUNDING REQUEST (LGFR) SUPPORT PROPOSAL**

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF THE CAPTIVA EROSION PREVENTION DISTRICT, LEE COUNTY, FLORIDA, APPROVING AND SUPPORTING THE PROPOSED ACTIVITIES AS OUTLINED IN THE 2023/2024 LOCAL GOVERNMENT FUNDING REQUEST TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND AFFIRMING THE DISTRICT'S COMMITMENT TO PROVIDE LOCAL FUNDING.

WHEREAS, the Captiva Erosion Prevent District ("District") is authorized by Chapter 81-413, Laws of Florida and Section 161.32, Florida Statutes (2015), as a beach and shore preservation district; and

WHEREAS, The District has a history of implementing successful beach nourishment and beach protection programs, including island-wide projects in 1988, 1996, 2006, 2013, 2021; and

WHEREAS, the District has partnered with the federal, state, and county governments to accomplish its successful beach programs; and

WHEREAS, the District seeks to update the Long Range Beach Erosion Control Budget Plan in accordance with guidelines developed by the Florida Department of Environmental Protection, and

WHEREAS, the District supports the Florida Department of Environmental Protection's beach and coastal management programs in accordance with Section 161.101 and 161.161, Florida Statutes, and

WHEREAS, the District supports all components of the Budget Plan and agrees to fund the local government share of the District project approved for funding by the Florida Legislature in Fiscal Year 2023-2024, through existing special assessments and revenue through the Lee County Tourist Development Council bed tax, and

WHEREAS, the District agrees to serve as the local sponsor for the project identified in the Budget Plan.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF COMMISSIONERS OF THE CAPTIVA EROSION PREVENTION DISTRICT THAT:

Section 1. The District is authorized and directed to file a long-range beach erosion control plan with the Florida Department of Environmental Protection.

Section 2. The District Board of Commissioners supports beach erosion control projects for which funding is requested from the State of Florida.

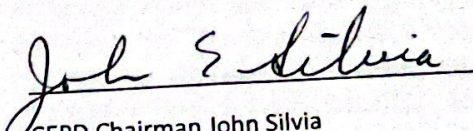
Section 3. The District is able to serve as a local sponsor for such projects and is able to provide the appropriate local funding to implement beach erosion control projects.

The Florida Department of Environmental Protection approved the Long Range Beach Erosion Control Budget Plan for the Captiva Erosion Prevention District and its identified project for the purpose of

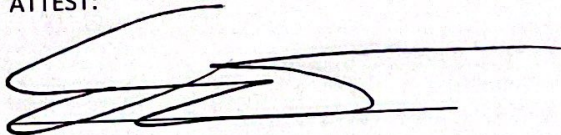
instituting state-supported beach erosion control projects within the Captiva Erosion Prevention District.
Captiva Erosion Prevention District Resolution No. 2022-14.

Section 4. This Resolution shall become effective immediately upon adoption.

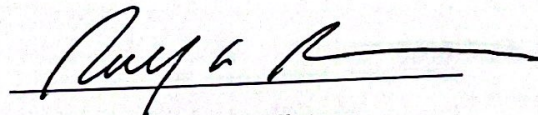
DULY INTRODUCED, PASSED, AND ENACTED by the CEPD Board of Commissioners of the CAPTIVA
EROSION PREVENTION DISTRICT, on Captiva Island, in Lee County, Florida on July 25th, 2022.


CEPD Chairman John Silvia

ATTEST:



CEPD Executive Director



Approved as to legal sufficiency