

RESOLUTION 2022-127

A RESOLUTION OF THE ST. LUCIE COUNTY EROSION DISTRICT AUTHORIZING THE SUBMITTAL OF AN APPLICATION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR FISCAL YEAR 2023/24 FUNDS UNDER THE FLORIDA BEACH MANAGEMENT FUNDING ASSISTANCE PROGRAM; SETTING FORTH FINDINGS; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the St. Lucie County Erosion District ("District") and the Florida Department of Environmental Protection ("FDEP") have adopted the Fort Pierce Inlet Management Plan and desires to implement the recommendations contained therein; and,

WHEREAS, the District has established a Long-Range Budget Plan for the Florida Beach Management Funding Assistance Program and desires to implement specific projects contained therein; and,

WHEREAS, under the provisions of Section 161.101, Florida Statutes, FDEP accepts and processes applications for the Florida Beach Management Funding Assistance Program; and,

WHEREAS, under the Program guidelines of the Florida Beach Management Funding Assistance Program, the District is required to submit a supporting resolution with their application request.

NOW, THEREFORE, BE IT RESOLVED by the St. Lucie County Erosion District as follows:

1. FDEP is requested to approve and support the maximum State funding allowed for this application request for Fiscal Year 2023/24. The District will provide the required local share in accordance with the State Legislature's appropriation.
2. This Resolution shall take effect immediately upon its adoption.

AFTER MOTION AND SECONDED, the vote on this Resolution was as follows:

Chair Frannie Hutchinson	AYE
Vice-Chair Cathy Townsend	AYE
Commissioner Linda Bartz	AYE
Commissioner Chris Dzadovsky	AYE
Commissioner Sean Mitchell	ABSENT

PASSED AND DULY ADOPTED this 19 day of July, 2022.

ATTEST:


DEPUTY CLERK



ST. LUCIE COUNTY EROSION DISTRICT

BY:


Vice CHAIR

APPROVED AS TO FORM AND
CORRECTNESS:

BY:


Asst. COUNTY ATTORNEY

10-YEAR COMPREHENSIVE BEACH MANAGEMENT PROJECT LIST - ST. LUCIE COUNTY
(Fiscal Years 2023 - 2033)

Recommended Plan Elements	Estimated Ten (10) Year Total Cost	Estimated Five (5) Year County Cost	Estimated Ten (10) Year County Cost	Fiscal Year 2023/24			Fiscal Year 2024/25			Fiscal Year 2025/26			Fiscal Year 2026/27			Fiscal Year 2027/28			Fiscal Year 2028/33		
				Estimated County Share	Estimated State Share	Estimated Federal Share	Estimated County Share	Estimated State Share	Estimated Federal Share	Estimated County Share	Estimated State Share	Estimated Federal Share	Estimated County Share	Estimated State Share	Estimated Federal Share	Estimated County Share	Estimated State Share	Estimated Federal Share	Estimated County Share	Estimated State Share	Estimated Federal Share
<u>Ft. Pierce 1.3-Mile Beach Project</u> ⁽¹⁾																					
Section 203 Report Post-Authorization (NEPA, Environmental) ⁽²⁾ - FDEP Grant 20SL1	\$0	\$0	\$0																\$0	\$0	\$0
Construction Oversight	\$230,000	\$90,000	\$115,000				\$40,000	\$40,000					\$50,000	\$50,000					\$25,000	\$25,000	\$0
<u>Shoreline Stabilization Alternatives</u>																					
Design & Permitting (Structures /T-groins) ^(4a) - FDEP Grant 20SL1 (\$400k Available)	\$0	\$0	\$0																\$0	\$0	\$0
Design & Permitting - Section 111 (LRR) ⁽³⁾ - FDEP Grant 22SL1 (\$100k Available)	\$100,000	\$0	\$50,000																\$50,000	\$50,000	\$0
Structure/ T-Groin Construction (concurrent w/Nourishment) ^{(4)(5)(5b)} - Non Funded to date	\$16,300,000	\$4,356,000	\$4,506,000										\$4,356,000	\$4,356,000	\$7,288,000				\$150,000	\$150,000	\$0
Emergency Truck Haul Project (Fall 2019/Spring 2020) ^(5a)	\$0	\$0	\$0																\$0	\$0	\$0
Long Term Beach Monitoring (Physical and Biological) - Including Required Tilling	\$3,350,000	\$800,000	\$1,675,000	\$150,000	\$150,000		\$150,000	\$150,000		\$150,000	\$150,000		\$175,000	\$175,000		\$175,000	\$175,000		\$875,000	\$875,000	\$0
Long Term Beach Maintenance-Renourishment ^{(5)(6)(5b)}	\$36,000,000	\$2,668,800	\$6,566,400				\$1,334,400	\$1,334,400	\$9,331,200				\$1,334,400	\$1,334,400	\$9,331,200				\$3,897,600	\$3,897,600	\$4,204,800
SUB-TOTAL	\$55,980,000	\$7,914,800	\$12,912,400	\$150,000	\$150,000	\$0	\$1,524,400	\$1,524,400	\$9,331,200	\$150,000	\$150,000	\$0	\$5,915,400	\$5,915,400	\$16,619,200	\$175,000	\$175,000	\$0	\$4,997,600	\$4,997,600	\$4,204,800
<u>Inlet Management Plan Sand By-Passing (Inlet Sand Trap)</u> ⁽⁷⁾																					
Construction (Phase 1) - Engineering - FDEP Grant 18SL1	\$0	\$0	\$0																\$0	\$0	\$0
Construction (Phase 1) - Monitoring - FDEP Grant 18SL1	\$0	\$0	\$0																\$0	\$0	\$0
Construction (Phase 1) - Inlet Sand Trap w/Mitigation Reef ^{7B} - Partial, FDEP Grant 18SL1	\$0	\$0	\$0																\$0	\$0	\$0
Design & Permitting (Phase 2) - Inlet Sand Trap	\$200,000	\$50,000	\$50,000							\$50,000	\$150,000								\$0	\$0	\$0
Construction (Phase 2) - Inlet Sand Trap (assumes 75% cost share)	\$8,000,000	\$2,000,000	\$2,000,000										\$2,000,000	\$6,000,000					\$0	\$0	\$0
Long Term Inlet Monitoring (Physical/ Biological) ^(7D) - Future Cost Share in 18SL1	\$1,810,000	\$355,000	\$855,000	\$150,000	\$150,000		\$27,500	\$27,500		\$27,500	\$27,500		\$50,000	\$150,000		\$100,000	\$100,000		\$500,000	\$500,000	\$0
Long Term Operation & Maintenance ^(7A) (assumes 50% cost share) - Initial Maintenance Effort	\$12,000,000	\$2,000,000	\$6,000,000				\$1,000,000	\$1,000,000					\$1,000,000	\$1,000,000					\$4,000,000	\$4,000,000	\$0
Inlet Management Plan Profile Surveying ^(7C) - Future Cost Share in 18SL1	\$300,000	\$150,000	\$150,000	\$30,000	\$30,000		\$30,000	\$30,000		\$30,000	\$30,000		\$30,000	\$30,000		\$30,000	\$30,000				
Spur Jetty Repairs - Post Irma ⁽⁹⁾	\$0	\$0	\$0																\$0	\$0	\$0
SUB-TOTAL	\$22,310,000	\$4,555,000	\$9,055,000	\$180,000	\$180,000	\$0	\$1,057,500	\$1,057,500	\$0	\$107,500	\$207,500	\$0	\$3,080,000	\$7,180,000	\$0	\$130,000	\$130,000	\$0	\$4,500,000	\$4,500,000	\$0
<u>South County Beach Restoration</u> ⁽⁹⁾																					
Federal Feasibility Phase/Studies (50%cost share w/Corps)	\$0	\$0	\$0																\$0	\$0	\$0
Design & Permitting (Federal SPP)	\$100,000	\$0	\$56,510																\$56,510	\$43,490	\$0
Construction Oversight ^(9a)	\$0	\$0	\$0																\$0	\$0	\$0
Perpetual Easements (Ongoing Effort)	\$0	\$0	\$0																\$0	\$0	\$0
Long Term Beach Monitoring (USACE Federal Project) ⁽¹¹⁾ - Future FDEP Grants (Years 2 & 3)	\$900,000	\$508,590	\$508,590	\$254,295	\$195,705		\$254,295	\$195,705											\$0	\$0	\$0
Annual Beach Profiles (2013 Project)	\$0	\$0	\$0																\$0	\$0	\$0
Annual Beach Profiles (2021 Federal Project)	\$360,000	\$115,430	\$281,718							\$45,000			\$25,430	\$19,571		\$45,000			\$166,289	\$58,712	\$0
Future Federal Beach Maintenance-Renourishment ⁽¹⁰⁾ - FDEP Grants 19SL4 & 20SL3	\$0	\$0	\$0																\$0	\$0	\$0
Public Beach Access Easements - Init. Const./Future Maintenance ⁽¹²⁾ - FDEP Grant 18SL2																					
Condemnation Effort Associated with Outparcel ⁽¹³⁾	\$0	\$0	\$0																\$0	\$0	\$0
SUB-TOTAL	\$1,360,000	\$624,019	\$846,818	\$254,295	\$195,705	\$0	\$254,295	\$195,705	\$0	\$45,000	\$0	\$0	\$25,430	\$19,571	\$0	\$45,000	\$0	\$0	\$222,799	\$102,202	\$0
<u>Emergency Maintenance</u>																					
Beach & Dune Upland Sand Source Contract(s)	\$120,000	\$60,000	\$120,000				\$30,000						\$30,000						\$60,000	\$0	\$0
SUB-TOTAL	\$120,000	\$60,000	\$120,000	\$0	\$0	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$60,000	\$0	\$0
<u>Inlet Spur Jetty</u>																					
Long Term Maintenance	\$125,000	\$75,000	\$125,000	\$25,000						\$25,000						\$25,000			\$50,000	\$0	\$0
SUB-TOTAL	\$125,000	\$75,000	\$125,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$50,000	\$0	\$0
ANNUAL TOTAL COST	\$79,895,000	\$13,228,819	\$23,059,218	\$609,295	\$525,705	\$0	\$2,866,195	\$2,777,605	\$9,331,200	\$327,500	\$357,500	\$0	\$9,050,830	\$13,114,971	\$16,619,200	\$375,000	\$305,000	\$0	\$9,830,399	\$9,599,802	\$4,204,800

(1) Project Cost Share: Federal (77.76%), Non-Federal (22.24%) - State typically provides 50% of the non-federal share (11.12%, County = 11.12% State). Existing cost share good thru November 2026 or until new Section 203 project authorization and construction, whichever comes first?
(2) Anticipated cost to address outstanding comments and NEPA/Environmental requirements associated with the Section 203 Report. Recent conversations with Jacksonville/ASA's offices suggest a cost share agreement for the PED phase of project development (FDEP Grant 21SL1 - Design Funding)
(3) Improved cost share may be possible through a Limited Reevaluation Report (LRR), under a new 50 year project life. Preliminary discussions with Jacksonville USACE indicate possibility; effort likely after Congressional Authorization is achieved (Spring 2022). Unknown as to whether or not the improvement can be attained before new design structure implementation (24/25). FDEP Grant 20SL1
(4) Anticipated construction cost for T-Groin structures based on cost estimate provided in the final Section 203 Report submitted to the ASA's office June 7, 2018.
(4a) State permitting to begin as soon as final Congressional Authorization is attained and outstanding Section 203 comments are addressed. Cost Share agreement with ASA by 2023. State permitting effort to follow as soon as possible.
(5) Assuming future beach projects are under existing Federal cost share until reauthorization (see note 1). Federal participation associated with a new 50 year project @ 45.55%, Non-Federal @ 54.45%; Additional Section 111 benefits NOT recognized in final Section 203/403 report (per ASA determination). Recurring Federal Renourishments after initial construction @35.04% Federal, 64.96% Non-Federal. State funding possible up to 50% of the non federal share. See note 6 for more information.
(5a) Emergency truck haul initiated March 2020 @ 100% County expense. 50% State reimbursement included in future Grant approved FY 21-22 (Reimbursement received Q1 2022; \$1.8 million)
(5b) Section 203 Congressional Authorization in 2020. Resolve NEPA and Final Report with ASA by 2023. State permitting effort to follow as soon as possible.
(6) Cost estimates for future projects are based on 500,000 c.y. nourishments each - Actual size and cost will be dependent on need, market, and/or Federal appropriations.
(7) Construction of the Phase 1 Sand Trap (60,000 cy trap) anticipated to be completed begin Summer/Fall 2022.
(7a) Future inlet maintenance efforts are subject to a 50% Local / 50% State cost share.
(7b) Outstanding balance for Phase 1 construction pending 2022/23 state budget.
(7C) 2022 Inlet Management Plan Update incudes additional Surveying north of Fort Pierce Inlet - Monitoring required at least on an annual basis.
(7D) Includes a comprehensive inlet survey as well as surveys specifically of the Sand Trap (Phase 1) @ 6months, 12 months, and 18 Months.
(8) Project was completed FY 2018/19. FEMA Reimbursement received November 2021 (\$104,500).
(9) The 2013 non-federal Project cost share: State (43.49%), Local (56.51%). Project now Federally Authorized via WRDA 2018 (Preliminary Federal Cost Share @ 35%, Local @ 65%); Future Nourishment (27% Federal; 73% non-Federal). Additional funding option has been made available (South Hutchinson Island MSTU) - All efforts expensed out of Fund 194.
(9a) Construction oversight for FDEP compliance included in FDEP Grant 19SL4 and 20SL3.
(10) Initial Federal nourishment costs (\$22,803,000) identified in the Draft PPA dated 11/1/2018 (distributed to County January 2019). Cost further refined, and Non-federal share distributed July/August 2021.
(11) Post -Construction Biological/Physical Monitoring Per GEC. Anticipate three (3) years of post-construction monitoring (Draft PPA to include WIK Credit for post-construction monitoring). Assuming State funding @43.49%. - Funds potentially available in FDEP Grant 20SL3.
(12) This effort was postponed due to the lack of local participation.
(13) Level of effort unknown at this time. Estimate provided based on previously assessed fees (subject to change).

**ATTACHMENT B
FUNDING ELIGIBILITY
FT. PIERCE SHORE PROTECTION PROJECT**

Project Boundary: Approximately 170 feet north of R34 to R41.

Approximate Shoreline Length: 7045 FEET

Public Access

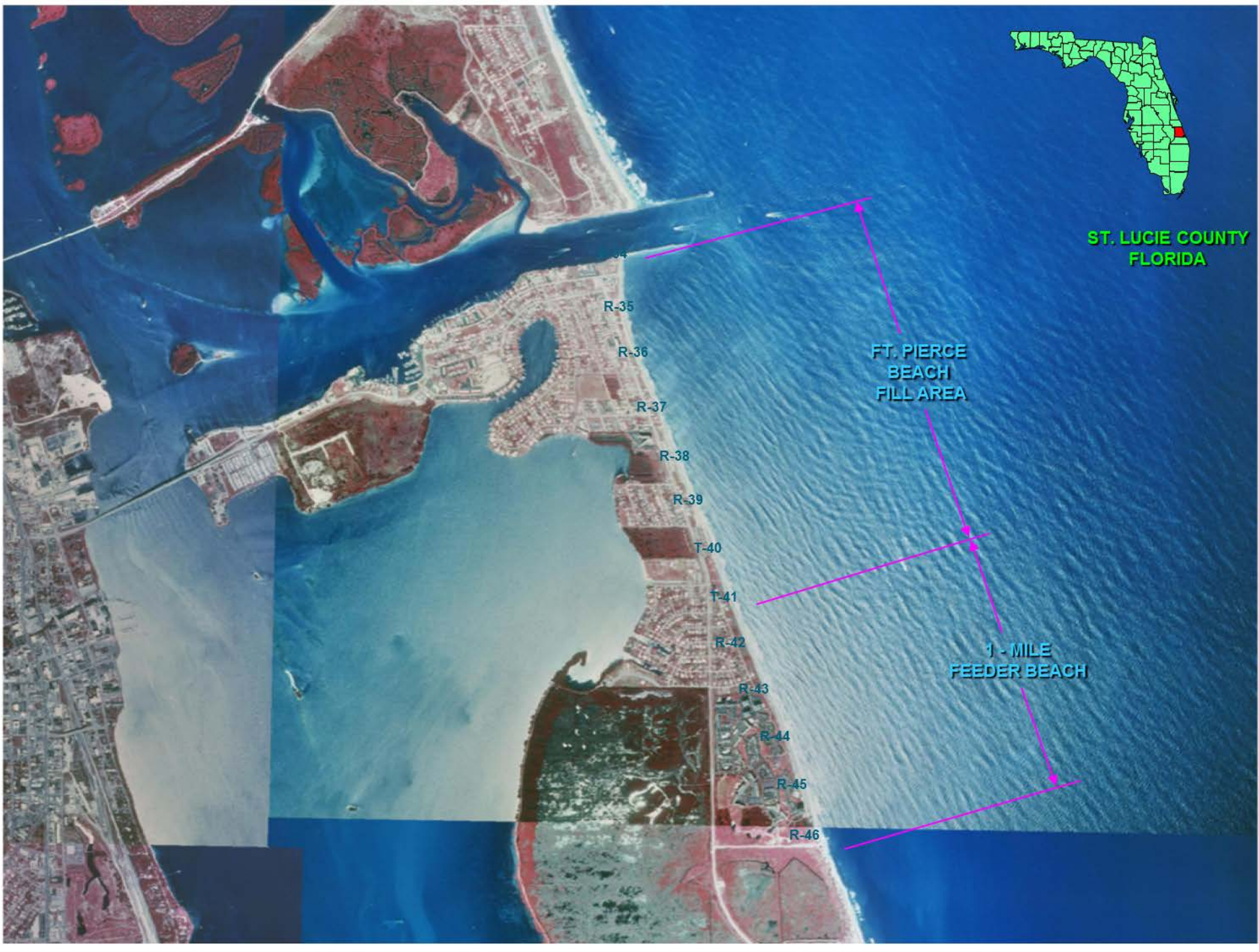
Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total parking spaces/units	Additional width from eligibility Units	Total Eligible shoreline (ft)
South Jetty Park	R34	Primary	454	100	2,640	3,094
South Beach Park/ Kimberly Bergalis Park/Surfside Park	R38 –R41	Primary	3,050	100	901	3,951
TOTAL						7,045

Total eligible shoreline length: 7,045 FEET

Total project shoreline length: 7,045 FEET

Percent eligible for State funding: 100 PERCENT

State Cost Share: 50 PERCENT



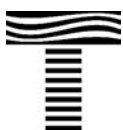
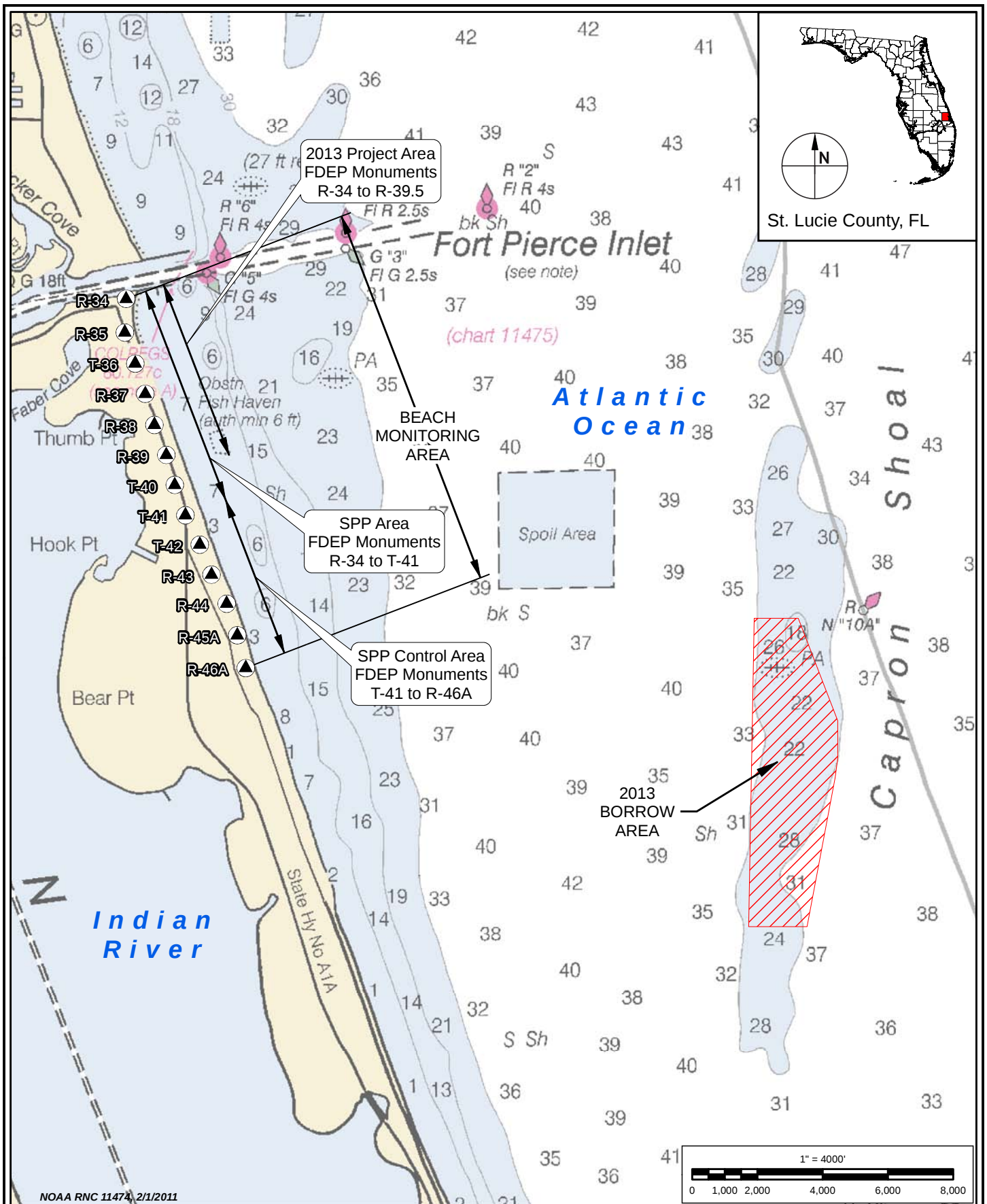
ST. LUCIE COUNTY
FLORIDA

FT. PIERCE
BEACH
FILL AREA

1 - MILE
FEEDER BEACH



Ft. Pierce Inlet and Adjacent Beaches



Taylor Engineering Inc.

10151 Deerwood Park Blvd.
Bldg. 300, Suite 300
Jacksonville, FL 32256
CERTIFICATE OF AUTHORIZATION # 4815

Figure 1.1
Location Map
Ft. Pierce Shore Protection Project
2013 Post-Construction Monitoring Report

PROJECT	C2013-027
DRAWN BY	PL
SHEET	
DATE	AUGUST 2013



Beach Access Points

Ft. Pierce Beach

Legend

- Range Monuments
- Public Beach Access

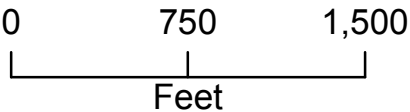
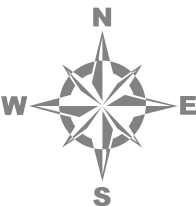
Ft. Pierce Zoning

- GENERAL COMMERCIAL
- GENERAL RECREATIONAL OPEN SPACE
- HUTCHINSON ISLAND RESIDENTIAL DISTRICT
- HUTCHINSON ISLAND MEDIUM DENSITY RESIDENTIAL
- PLANNED UNIT REDEVELOPMENT
- SINGLE FAMILY INTERMEDIATE DENSITY
- SINGLE FAMILY LOW DENSITY
- SINGLE FAMILY MODERATE DENSITY
- TOURIST COMMERCIAL

Project Boundary (beach placement area): 170 feet north of R34 to R41

Project Boundary (beach management area): 170 feet north of R34 to R46

State's Critical Erosion Designation: R34 to R46



Data source: City of Ft. Pierce Zoning, 2013 & FDEP, 2012.

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Map prepared August 16, 2013.



June 11, 2021

TRANSMITTED VIA EMAIL

Florida Department of Environmental Protection
Attn: JCP Compliance Officer
Beaches Inlets and Ports Program
Office of Resilience and Coastal Protection
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399
JCPCompliance@floridadep.gov

RE: Notice of Completion – Fort Pierce SPP – Permit #0327791-001-JC

Dear JCP Compliance,

On behalf of St. Lucie County and the U.S. Army Corps of Engineers (USACE), Taylor Engineering provides this notice of completion for the 2021 Fort Pierce Beach Renourishment project. This letter complies with the 30-day notice requirement after completion of construction authorized by Permit No. 0327791-001-JC. The Contractor, Great Lakes Dredge and Dock, completed dredging activities and all work on the beach on May 26, 2021. In total, the Contractor placed 503,429 cy within the fill template.

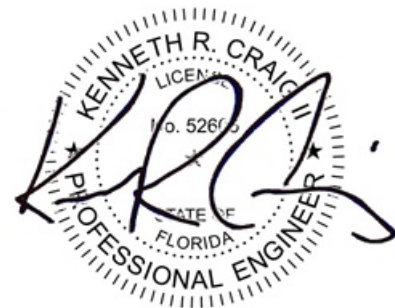
All locations and elevations specified by the permit have been verified. The activities authorized by the permit have been performed in compliance with the plans and specifications approved as a part of the permit, and all conditions of the permit have been met.

Please contact me if you need additional information.

Sincerely,



Kenneth R. Craig, P.E.
Vice President



Cc: Joshua Revord, St. Lucie County (RevordJo@stlucieco.org)
Alberto Alvarado, USACE (albert.o.alvarado@usace.army.mil)
David Marquez-Davila, USACE (david.marquez@usace.army.mil)
Christopher Rauch, USACE (Christopher.d.rauch@usace.army.mil)
Zach Boudreau, FDEP (William.Boudreau@FloridaDEP.gov)
FDEP Southeast District Office, FDEP (DEP_SED@dep.state.fl.us)