

FY2025/2026 Local Government Funding Request

Final Beach Project Assessment

Project Name	South Jupiter Dune Nourishment Project (Segment II)
Local Sponsor	Palm Beach County

Initial Assessment	8/23/2024
Group Assessment	8/26/2024
Draft Assessment	9/3/2024
Final Review	10/8/2024

Project Description
The South Jupiter Dune Nourishment Project is located between DEP monuments R19 and R26 in Palm Beach County. The 1.46 mile long project area has no history of beach nourishment. In 2016, the County placed sand within the dune system to provide additional storm protection to State Road A-1-A and existing dune crossovers. After erosion caused by Hurricane Irma and Dorian, dune restoration projects were completed in FY21 and FY22 to mitigate these storm losses. In November 2022, Hurricane Nicole resulted in additional erosion. The feasibility study has been completed and recommended the construction of a limited beach nourishment project. A permit modification to include the recommended nourishment has been requested from FDEP and USACE. The requested funds are for dune construction and first year post-construction monitoring. Staff have determined that 100% of the project is eligible for state cost sharing.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Construction (Dune Restoration- Current) and monitoring (Yr 1 Biological and Physical- Current).

State cost share %	50.00%
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Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0	\$0	\$0	\$0
Design	0.00%	\$0	\$0	\$0	\$0
Construction	50.00%	\$0	\$1,000,000	\$1,000,000	\$2,000,000
Year 1 Monitoring	50.00%	\$0	\$60,000	\$60,000	\$120,000
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$1,060,000	\$1,060,000	\$2,120,000

Federal cost share %	0.00%
Federal agency and description	N/A

TOTAL PROJECT SCORE (100 points)	27.4
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Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	8.2
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Local Sponsor: Project is requesting construction funds.

Department: Only projects requesting construction funds are eligible for the point

Construction + Year 1 Monitoring Cost: \$1,060,000.00

Value: 193.1

Economic impact (10 points)	Score	2.9
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Local Sponsor: N/A

Department: Palm Beach County, most current complete calendar data. Tourism-related sales tax data = \$204,654,857.57. County sales tax collections = \$2,365,652,667.00

Value: 8.65

Tier 2

Federal involvement

Federal authorization (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Federal cost share (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Federal funds available (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Storm damage reduction benefits

Current conditions (8 points)	Score	0
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Local Sponsor: N/A

Department:

No beach nourishment has been completed. Dune nourishment was completed in April 2022 with the latest survey received by the Department in June 2023. -12.5% of the 56,004.9 cy of advanced nourishment was lost over this interval for a total score of 0.

CEG calculated value: 0

Threat to upland development (2 points)	Score	0
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Local Sponsor: N/A

Department: CEG determined the project protects upland structures from a 25-year storm event.

CEG calculated value: 0

Value of upland property (5 points)	Score	2.3
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Local Sponsor: \$1,023,056,889.00

Department: Calculated by GIS with 2023 data.

Total value: \$1,116,626,857

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	1.4
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Local Sponsor: Sand placement vol = 32,000 cy; nourishment int = N/A

Department: Construction cost = \$2,000,000, volume = 32,000 cy, length = 1.46 mi, nourishment interval = 1.5 yrs

Value: 28.5122

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	3
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Local Sponsor: Dune Addition, Regionalization

Department: Not qualified for regionalization. Dune addition has been verified by the Department and eligible for 3 points.

Tier 3**Previous state commitment**

Previously funded phases (1 point)	Score	1
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Local Sponsor: Yes

Department: The department has previously provided cost-share on an approved feasibility study or design phase for this project.

Total amount of previous funding (3 points)	Score	0.9
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Local Sponsor: N/A

Department: Fiscal year 2015/2016 through 2024/2025

Total funds: \$1,562,430.57

Previous partial appropriation (1 point)	Score	0
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Local Sponsor: Yes

Department: No partial appropriations in 3 previous fiscal year applications, not eligible for the award of point.

Recreational benefits

Accessible beach area (2 points)	Score	0
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Local Sponsor: N/A

Department: Calculated by CEG/GIS Staff (No History)

Total area: 0 sq/ft

Recreational benefits (3 points)	Score	2.5
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Local Sponsor: 86.40%

Department:

Carlin Park (990 ft), Jupiter Reef Club (580 ft), Ocean Blvd (2,590 ft), Karen Marcus Ocean Preserve (2,380 ft). Total 6540/7,716 ft= 84.8%

Percentage: 84.80%

Mitigation of inlet effects (5 points)	Score	0
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Local Sponsor: N/A

Department: The project is within the influence of the Jupiter Inlet, which is meeting the bypassing objectives within the IMP. Therefore not eligible for the award of points.

CEG calculated value: 0

Volume/mile/year (5 points)	Score	2.3
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Local Sponsor: N/A

Department: Volume = 32,000 cy, Length = 7,716 ft, Nourishment Interval = 1.5 yrs

CEG calculated value: 14,598.24

Tier 4

Successive unfunded requests (5 points)	Score	0
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Local Sponsor: No

Department: Verified no successive unfunded requests. Not eligible for award of points.

Environmental habitat enhancement (5 points)	Score	0
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Local Sponsor: N/A

Department: The project boundary intersects critical habitat area. The shoreline is 7.4% armored which is less than the 30% threshold. Therefore, the project is not eligible for the award of 3 points.

Overall readiness to proceed

Readiness to construct (1 point)	Score	0
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Local Sponsor: N/A

Department: Ineligible for the award of additional point

Active permits (1 point)	Score	1
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Local Sponsor: State: 0303863-006-JM (exp 06/08/2033)
Fed: SAJ-2017-00019(MOD-LCK) (exp 09/19/2025)

Department: Verified

Easements acquired (1 point)	Score	1
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Local Sponsor: Yes

Department: Verified

Local funds secured (1 point)	Score	1
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Local Sponsor: Yes, draft resolution submitted with application.

Department: Signed Resolution was submitted by application deadline.

Erosion Control Line established (1 point)	Score	0
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Local Sponsor: No

Department: Verified