

FY2022/2023 Local Government Funding Request

Final Beach Project Assessment

Project Name	South Ponte Vedra Beach/Vilano Beach Restoration
Local Sponsor	St. Johns County

Initial Assessment	8/11/2021
Group Assessment	8/20/2021
Draft Assessment	8/31/2021
Final Review	10/5/2021

Project Description
The South Ponte Vedra/Vilano Beach Restoration Project is located between DEP monuments R102.5 and R117.5 in St. Johns County. The restoration of the project was completed in January 2021. Due to borrow area sand limitations, the USACE is investigating the potential for additional borrow area sites for future nourishments of the project through a validation report. The requested funds are for design to complete a USACE validation report and year 2 post-construction monitoring of the 2021 nourishment. Staff have determined that 69.16% of the project is eligible for state cost sharing.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Design and Monitoring

State cost share %	34.58%
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Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0	\$0	\$0	\$0
Design	34.58%	\$116,000	\$98,207	\$185,793	\$400,000
Construction	0.00%	\$0	\$0	\$0	\$0
Year 1 Monitoring	0.00%	\$0	\$0	\$0	\$0
Year 2+ Monitoring	34.58%	\$18,850	\$15,959	\$30,191	\$65,000
Year 2+ Monitoring	34.58%	\$0	\$38,038	\$71,962	\$110,000
Total Project Costs		\$134,850	\$152,204	\$287,946	\$575,000

Federal cost share %	29.00%
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Federal agency and description	USACE
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TOTAL PROJECT SCORE (100 points)	38
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Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	0
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Local Sponsor: Project is not requesting construction funds.

Department: Only projects requesting construction funds are eligible for the award of points.

Construction + Year 1 Monitoring Cost: N/A
Value: N/A

Economic impact (10 points)	Score	9
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Local Sponsor: N/A

Department: St. Johns County, 2020 data. Tourism-related sales tax data = \$30,494,141.91. County sales tax collections = \$242,172,298.8
Value: 12.59

Tier 2

Federal involvement

Federal authorization (5 points)	Score	5
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Local Sponsor: Yes, the project is federally authorized.

Department: Verified

Federal cost share (5 points)	Score	1.6
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Local Sponsor: 29%

Department: Verified

Federal funds available (5 points)	Score	5
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Local Sponsor: Executed USACE project agreement and in work plan.

Department: Verified

Storm damage reduction benefits

Current conditions (8 points)	Score	0
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Local Sponsor: The Department will calculate.

Department: The initial restoration was recently completed in January 2021 which is too soon for fill loss to be calculated, therefore no award of points.

CEG calculated value: 0

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

Department: The 2021 restoration project is expected to provide protection from a 25-year storm, therefore no award of points.

CEG calculated value: 0

Value of upland property (5 points)	Score	0.5
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Local Sponsor: \$415,593,688

Department: Calculated by Department GIS staff with 2020 data.

Total value: \$304,697,581

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	0
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Local Sponsor: Volume = 1,300,000 cy. Nourishment interval = 12 yrs. Project length = 2.97 miles

Department: Only projects requesting construction funds are eligible for the award of points.

Value: N/A

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	3
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Local Sponsor: Dune addition is a component of the federal project

Department: The proposed project will incorporate a dune restoration, therefore the project is eligible for the award of points for dune addition.

Tier 3

Previous state commitment

Previously funded phases (1 point)	Score	1
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Local Sponsor: Yes, Design and Construction.

Department: Verified

Total amount of previous funding (3 points)	Score	2.3
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Local Sponsor: N/A

Department: Fiscal year 2012/2013 through 2021/2022

Total funds: \$12,865,987.00

Previous partial appropriation (1 point)	Score	0
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Local Sponsor: N/A

Department: No previous partial appropriation.

Recreational benefits

Accessible beach area (2 points)	Score	0.1
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Local Sponsor: 42 acres of accessible beach.

Local Sponsor: The accessible beach area as calculated by the USACE is 42 acres, using the post-construction MHWL and ECL boundaries.

Department: The design is a 60-foot berm from the 2015 survey 8' contour then 10H:1V to shoreline for a 113.6' width (USACE feasibility study, February 2016, Appendix A). Calculating this design MHWL and utilizing GIS to calculate the area from the ECL results in an accessible beach area of 321,808 square feet.

Department: Accessible beach area is calculated using the ECL and design MHWL. The post-construction MHWL is not used in calculating accessible beach area. The calculation of 321,808 sq ft of accessible beach area is based on the ECL and design MHWL.

Total area: 321,808

Recreational benefits (3 points)	Score	0.5
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Local Sponsor: 18.09%

Department: Reviewed.

Percentage: 18.09%

Mitigation of inlet effects (5 points)	Score	5
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Local Sponsor: Project mitigates the impacts of the St. Augustine Inlet.

Department:

The St. Augustine Inlet IMP (2014) has a bypassing objective of 278,000 cy/yr of which approximately one-third (92,667 cy/yr) shall be placed north of the inlet. Before the 2021 restoration and since adoption of the IMP there has been 302,507 cy of dredged material placed north of the. The total restoration volume of 1,300,000 cy of sand bypassing added to the 302,507 cy equals approximately 17 years of the target bypassing objective and meets the bypassing objective through 2031.

CEG calculated value: 100%

Volume/mile/year (5 points)	Score	0
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Local Sponsor: N/A

Department: Only projects requesting construction funds are eligible for the award of points.

CEG calculated value: N/A

Tier 4

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

Department: Verified

Environmental habitat enhancement (5 points)	Score	0
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Local Sponsor: Project is within a critical habitat and has extensive shoreline armoring. St. Johns County has a lighting ordinance for sea turtles and conducts annual nighttime surveys.

Department: Project is within a designated critical habitat area. 0.68 miles or 22.9% of the project shoreline is armored, which does not meet the threshold of 30% to be considered extensive armoring, therefore not eligible for the award of points.

Overall readiness to proceed

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

Department: Project is eligible for the award of the additional point.

Active permits (1 point)	Score	1
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Local Sponsor: Yes, state permit. Federal permit not required.

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

Department: Signed Resolution was submitted by the deadline.

Erosion Control Line established (1 point)	Score	1
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Local Sponsor: Yes

Department: Verified