

FY2023/2024 Local Government Funding Request

Final Inlet Project Assessment

Project Name	South Lake Worth IMP Implementation
Local Sponsor	Palm Beach County

Initial Assessment	8/17/2022
Group Assessment	9/1/2022
Draft Assessment	9/14/2022
Final Review	10/20/2022

Project Description
The South Lake Worth Inlet (also known as Boynton Inlet) is located between DEP monuments R151 and R152 in Palm Beach County. The Inlet Management Plan (IMP) was adopted in March 1999, establishing an annual bypassing objective of 88,000 cubic yards of sand with 60,000 cubic yards to be bypassed by the sand transfer plant. The interior deposition basin (sand trap) was expanded in 2002 and in 2009 it was reconstructed. Seagrass mitigation was completed in 2014 and maintenance dredging was completed in 2015. A new sediment budget study has been finalized and will be a component of an updated IMP. The requested funds are for design and monitoring. Staff have determined that the remaining design tasks and monitoring tasks are eligible for a 50% state cost share.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Design (reimbursement for FY22/23), & Monitoring

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	50.00%	\$0	\$138,147	\$138,147	\$276,294
Construction	0.00%	\$0	\$0	\$0	\$0
Year 1 Monitoring	0.00%	\$0	\$0	\$0	\$0
Year 2+ Monitoring	50.00%	\$0	\$50,000	\$50,000	\$100,000
Total Project Costs		\$0	\$188,147	\$188,147	\$376,294

TOTAL PROJECT SCORE (80 points)	51.4
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Sand reaching the inlet (10 points)	Score	10
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Local Sponsor:

200,000 cy/yr

Department: Value obtained from South Lake Worth IMP sediment budget (1999)
Volume of sand: 200,000 cy/yr

Severity of erosion (10 points)	Score	8.8
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Local Sponsor: 88,000 cy/yr

Department: Value obtained from the Annual Inlet Report
Target bypassing volume: 88,000 cy/yr

Balancing the sediment budget (10 points)	Score	10
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Local Sponsor: 97,389 cy; Updated sediment budget was approved 3/31/2021 by local stakeholders and the State. Palm Beach County submitted comments on final draft of IMP to the State on 5/3/22.

Department: The annual target bypassing is 88,000 cy to the south. For the period from the adoption of the IMP in March 1999 to 2022, the inlet has bypassed 110.7% of this target.

CEG calculated value: 110.7%

Increased bypassing improvements (10 points)	Score	0
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Local Sponsor: 0 cy y

Department: Project is not requesting construction funds and therefore not eligible for the award of points.

CEG calculated value: 0

Cost-effectiveness of using inlet sand (10 points)	Score	0
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Local Sponsor: Project not requesting construction funds for a major IMP component.

Department: Project is not requesting construction funds and therefore not eligible for the award of points.

Inlet Management Plans

Existing IMP (5 points)	Score	5
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Local Sponsor: The proposed project has an existing IMP.

Department: Verified

Updated IMP (5 points)	Score	5
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Local Sponsor: Updated sediment budget was approved 3/31/2021 by local stakeholders and the State. Palm Beach County submitted comments on final draft of IMP to the State on 5/3/22.

Department: Verified

New IMP (10 points)	Score	0
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Local Sponsor: No

Department: Verified

Enhanced longevity of proximate beach projects (10 points)	Score	6
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Local Sponsor: 103,320 cy annualized beach nourishment volume

Department: Since the 1999 IMP there has been 3,765,572 cy placed at the Ocean Ridge Beach Project to the south of the inlet. The bypass amount from bypass dredging and sand transfer plant is 2,239,954 cy of this amount which is 59.5% of the total fill amount.

CEG calculated value: 59.50%

Criteria in 161.101(14) applicable to inlets

Active permits (1 point)	Score	1
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Local Sponsor: State (0117708-001-JC) (exp 2/8/2026)
Fed (SAJ-2000-02301 (IP-EGR)) exp 12/19/2022

Department: Verified

Federal funds available (3 points)	Score	0
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Local Sponsor: No

Department: Verified

Total amount of previous state funding (4 points)	Score	3.6
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Local Sponsor:

Department: Fiscal year 2013/2014 through 2022/2023
Total funds: \$5,351,412.00

Secured local funds (2 points)	Score	2
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Local Sponsor: Yes - draft resolution submitted with application

Department: Verified. Draft Resolution was submitted by application deadline.