

FY2023/2024 Local Government Funding Request

Draft Inlet Project Assessment

Project Name	Lake Worth IMP Implementation
Local Sponsor	Town of Palm Beach

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

Project Description
Lake Worth Inlet is a federally authorized and maintained inlet located between DEP monuments R75 and R76 in Palm Beach County. A fixed sand transfer plant (STP) was constructed on the north jetty in 1958. The Lake Worth Inlet Management Plan (IMP) was adopted in 1996. A subsequent sediment budget study was completed in 2000, recommending an annual bypassing objective of 202,000 cubic yards of sand. The STP was reconstructed in 2010, replacing the diesel-powered pump with an electric pump. The next construction event is scheduled for 2024/2045 and will include placement of inlet-dredged sand between R78 and R82.2. The requested funds are for sand forepassing and annual monitoring as required by permit and in the Palm Beach Island Beach Management Agreement. Staff have determined that the project is eligible for a 50% state cost share.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Construction and 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	0.00%	\$0	\$0	\$0	\$0
Construction	50.00%	\$0	\$350,000	\$350,000	\$700,000
Year 1 Monitoring	50.00%	\$0	\$348,500	\$348,500	\$697,000
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$698,500	\$698,500	\$1,397,000

TOTAL PROJECT SCORE (80 points)	45.8
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Sand reaching the inlet (10 points)	Score	10
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Local Sponsor:

Blank

Department:

Value obtained from Lake Worth IMP Restudy (2011)

Volume of sand:

235,000 cy/yr

Severity of erosion (10 points)	Score	10
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Local Sponsor: 202,000 cy/yr

Department: Value obtained from the Annual Inlet Report

Target bypassing volume: 202,000 cy/yr

Balancing the sediment budget (10 points)	Score	10
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Local Sponsor: Blank

Department: The annual target bypassing is 202,000 cy to the south. For the period from the adoption of the IMP the inlet has bypassed 105.9% of this target.

CEG calculated value: 105.9%

Increased bypassing improvements (10 points)	Score	0
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Local Sponsor: 100% of the bypassing objective has been met.

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 is not requesting construction phase funds for a major inlet management 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 project has an existing IMP.

Department: Verified

Updated IMP (5 points)	Score	0
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Local Sponsor: No

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	6.2
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Local Sponsor:

Blank

Department:

Since The 2008 IMP there has been 4,812,573 cy placed at the Mid-Town Beach Nourishment Project south of the inlet. The bypass amount from dredging is 2,996,030 cy of this amount which is 62.3% of the total fill amount.

CEG calculated value:

62.3%

Criteria in 161.101(14) applicable to inlets

Active permits (1 point)	Score	1
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Local Sponsor:

State: BMA

No federal permit, corps navigation.

Department:

Verified

Federal funds available (3 points)	Score	0
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Local Sponsor:

Yes

Department:

USACE performs dredging within LWI, the sand forepasing effort. Not eligible for the award of points.

Total amount of previous state funding (4 points)	Score	1.6
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Local Sponsor:

Department:

Fiscal year 2013/2014 through 2022/2023

Total funds:

\$1,751,072.00

Secured local funds (2 points)	Score	2
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Local Sponsor:

Yes

Department:

Draft Resolution was submitted by application deadline.