

**PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS**

**AGENDA ITEM SUMMARY**

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<b>Meeting Date:</b>	September 10, 2019	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Regular
		<input type="checkbox"/> Workshop	<input type="checkbox"/> Public Hearing
<b>Department:</b>	<u>Environmental Resources Management</u>		

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**I. EXECUTIVE BRIEF**

**Motion and Title: Staff recommends motion to authorize:**

**A)** the County Administrator, or designee to submit an application to Florida Department of Environmental Protection (FDEP) for a Statewide Environmental Resources Permit (SWERP) and a Sovereign Submerged Lands Public Easement for the proposed Lake Worth Inlet Flood Shoal Dredging Project (Project);

**B)** the County Administrator, or designee to submit an application to United States Army Corps of Engineers (USACE) for a Department of Army Permit requesting authorization for the proposed Project; and

**C)** the County Administrator, or designee, to execute the permit, as well as any certifications, and other forms associated with these permit applications, and any necessary request for additional information that do not significantly change the proposed Project.

**Summary:** Ongoing deposition of sand on the Lake Worth Inlet Flood Shoal has resulted in increased sedimentation throughout the area including the accretion of sand encroaching on the Phil Foster Snorkel Trail and adjacent eastern navigation channel. The proposed Project intends to improve navigation in the designated eastern channel. The project will also allow for increased accessibility to the interior of the shoal for recreational boaters and law enforcement. A central flushing channel will also be restored to improve tidal exchange and water quality in the northern Lake Worth Lagoon (LWL). The dredged material will be used as fill for habitat restoration in the LWL.

The Board of County Commissioners (BCC) approved a Waterway Assistance Program grant application to Florida Inland Navigation District (R2019-0328) on March 12, 2019, to assist with costs associated with Phase I services which include: engineering, design and permitting for the project. On April 02, 2019, the BCC approved a Memorandum of Agreement with Marine Industries Association of Palm Beach County, Inc (MIAPBC). (R2019-0446) to cost-share on the Phase I services. The permit applications include current information gathered from the Phase I services for consideration by the regulatory agencies. There is no fiscal impact associated with these permit applications. Districts 1 & 7 (SS)

**Background and Justification:** Since the construction of Lake Worth Inlet in 1918, there has been coastal longshore sediment transport into the inlet and accumulation of sand north of Peanut Island has created the Flood Shoal. To date there has been no shoal management and since 2003 surveys of the area indicate the shoal has been accreting sand and is at capacity, resulting in further deposition of sand coming in the inlet is likely to adversely impact Phil Foster Snorkel Trail, adjacent navigation channel, and surrounding areas. The Project was identified in the 2013 Lake Worth Lagoon Management Plan for sediment management and improving tidal flushing to the northern LWL. PBC ERM and MIAPBC have partnered to evaluate and develop the proposed project to reduce additional sedimentation, improve navigation and safety to the area, provide easier access to vessel-based first responders and law enforcement, and improve tidal flushing to the area.

**Attachments:**

1. FDEP Application
2. USACE Application

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**Recommended by:** Michael Still for 8/23/19  
Department Director Date

**Approved by:** Pav 8/26/19  
Assistant County Administrator Date

