S333 Working Group Update

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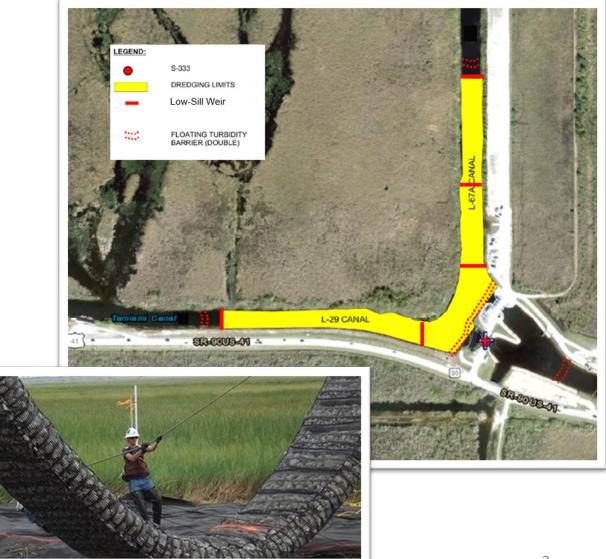
Technical Oversight Committee Meeting December 3, 2024

S333 Working Group Members

South Florida Water Management District Everglades National Park United States Army Corps of Engineers Florida Department of Environmental Protection Arthur R. Marshall Loxahatchee National Wildlife Refuge

S333 Working Group Recommendations

- Maintenance Dredging Task 1
 - 1,500 feet upstream of S333 complex in the L-67A and L-29 Canal
 - S333 Complex intake bay
 - 2 Short-height low-sill weirs
- Low-Sill Weirs Task 2
 - Conceptualized locations shown in figure
 - Constructed to finished elevation
- Monitoring and Assessment Plan Task 3
 - Evaluate the effectiveness
 - Identify optimization opportunities
 - Inform future actions



Highlights on Progress

✓ Preliminary Survey Complete

• 34,000 CY of sediments to be dredged. Over 3x the amount identified in 2022 sediment study.

✓ Geotechnical Investigation and Final Survey Complete

• Confirmed 48,000 CY of sediments to be dredged. Over 4x the amount identified in 2022 sediment study.

✓ Site Alternatives Evaluation Complete

• Limited sites available for the Dredged Material Management Area (DMMA)

✓ Revised Permit Applications with Intermediate Project Design and Specifications Complete

• Project required re-design due to the increase in sediments and DMMA site constraints

✓ Final Project Design and Specifications Underway to Support Final Permits

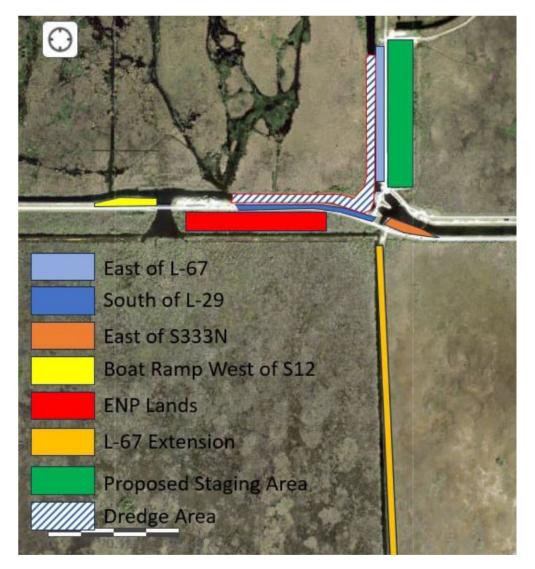
✓ Low-Sill Weir Round 1 Modeling Complete & Round 2 Underway

- 3D modeling confirmed depositional velocities
- Confirmed no adverse flood control operations and navigational impacts
- Update modeling based on geotechnical and final survey results

✓ Monitoring and Assessment Plan Complete

DMMA Site Alternatives Evaluation

- East of L-67: Currently occupied by USACE Contract 1A(R)
- South of L-29: Will continue to be utilized for vehicular transit (Narrow, Insufficient Size for DMMA)
- East of S333N: 0.75 Acres (Narrow, Insufficient Size for DMMA)
- Boat Ramp: 1.2 Acres (Narrow, Insufficient Size for DMMA)
- ENP: 8+/- Acres (Not Owned by SFWMD)
- L-67 Extension: (Narrow, Insufficient Size for DMMA, Not Owned by SFWMD)
- Proposed Site: 6.89 Acres



Timeline – Task 1 Maintenance Dredging

Nov 2023	Jan 2024	Mar 2024	Apr – June 2024	July – Sept 2024	Oct 2024	Nov – Dec 2024
 Principals' Concurrence Project Design and Preliminary Survey Commenced 	 FDEP ERP Permit Exemption Application Legal Challenge to State 404 Permit Program 	 USACE Section 404 Permit Application FDEP ERP Permit Exemption Approved Preliminary Survey Complete 	 Preliminary Survey Data Review Site Alternatives Evaluation Determined Re- design is Required Initiated Re-design 	 Re-design Discussions with USACE and FDEP Development of Intermediate Plans and Specifications Determination that FDEP ERP Required 	 FDEP ERP Permit Application USACE Revised Section 404 Permit Application USACE Section 408 Review Requested Geotechnical Complete 	 Adjusted schedule complete FDEP ERP Permit App Updated due to Geotechnical Results USACE Section 404 Permit App Updated due to Geotechnical Results USACE Section 408 Review Request Updated due to

Notes: Section 404 Permit – Wetland Modifications Section 408 Review – Modifications to CS&F Projects Geotechnical Results

Re-Design Adjusted Schedule

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			2024							-	2025 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec									2026													
			Jan F	Feb Ma	r Apr	May	Jun	Jul	Aug S	ep O	ct Nov	/ Dec	Jan	Feb Ma	r Apr M	ay Ju	n Jul	Aug	Sep	Oct N	lov De	c Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maintenance Task 1 Task 1 Height Low Sill Weirs	Preliminary Survey (COMPLETE)																																
	Final Permits ⁽¹⁾											I																					
	Geotechnical Investigations and Final Survey																																
	Final Project Design and Specifications						_																										
	Solicitation																																
	Contract Execution																																
	Construction ⁽²⁾																																
	H&H Design Modeling - Round 1 (COMPLETE)																																
	H&H Design Modeling - Round 2																																
	Final Project Design and Specifications											1																					
Task 2		Final Permits																															
	Height)	Solicitation (5 Weirs) ⁽³⁾														Т																	
	Contract Execution (5 Weirs) ⁽³⁾																									1	7						
		Construction (5 Weirs) ⁽²⁾⁽³⁾																				T	T										
		Draft Monitoring and Assessment Plan (COMPLETE)																															
Task 3 Monitoring and Assessment Plan	Final Monitoring and Assessment Plan (COMPLETE)					-																											
	FDEP Grant Agreement																																
	Contractual SOW Development																																
	FDEP Grant Funding Available																																
	Contract Execution																																
		Implement Monitoring and Assessment Plan																						1									

⁽¹⁾ Permit exemption no longer applicable. Project re-design triggered a new FDEP permit and a revised USACE permit application.

(2) The duration for task 1 construction is contingent upon weather and flood control operations. Opportunities to begin task 2 sooner and concurrent with task 1 will be explored during task 2 design.

(3) Includes raising the two "Short-Height" weirs in Task 1 to the final weir heights based on Round 2 H&H Modeling results and installing three additional low-sill weirs.

Original Schedule

Adjusted Schedule

Schedule contingent upon expedited permitting and conducive construction conditions