

Update on the Central & Southern Florida Flood Risk Study – Status and Timing

South Florida Regional Council
Meeting

January 22, 2024



Terms

- FPLoS: Flood Protection Level of Service
- Coastal Structures (CS) manage water and salinity
- FPLoS Phase I: CS Projects that have not been funded
- FPLoS Phase II: CS Projects that have received some funding

Total Number of Phase I / Phase II Coastal Structures: 23

	Miami-Dade Coastal Structures	Broward Coastal Structures	Broward / Miami-Dade Coastal Structure
FPLoS Phase 1	13	7	
FPLoS Phase 2	2		1

**2023 Consolidated Annual Report on
Flood Resiliency**

Central and Southern Florida Flood Resiliency
Study

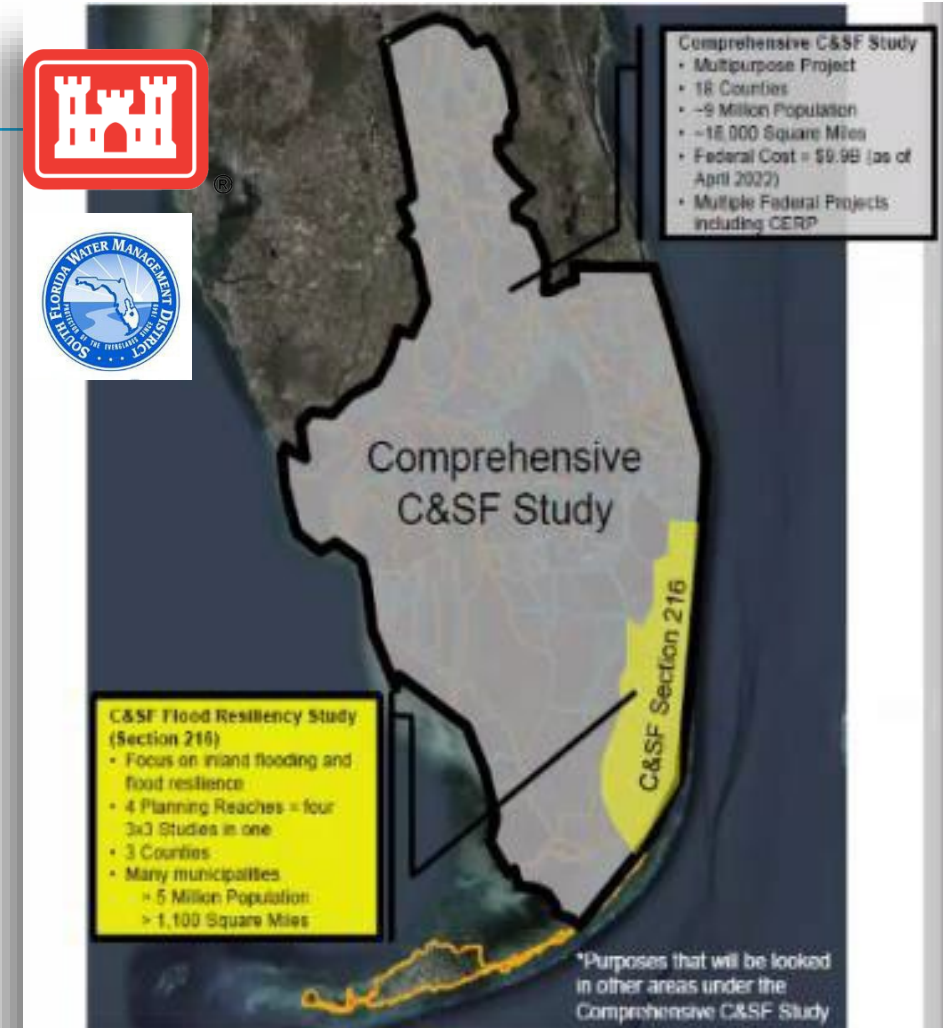
Sea Level Rise and Flood Resiliency Plan

October 2023



Section 216 Flood Risk Study – Status

- Early draft Scope of Work presented by USACE/SFWMD project team (spring '23) proposes \$19M scope of work.
- ACOE Vertical team requests "descoping" and additional focus to reduce project scale and budget
- Project scaled to prioritize only salinity control structures - budget reduced to \$11.3M with target for WRDA 2026
- Presented to USACE leadership for approval in July 2023 with an eye to receiving approval in September to meet appropriations deadlines

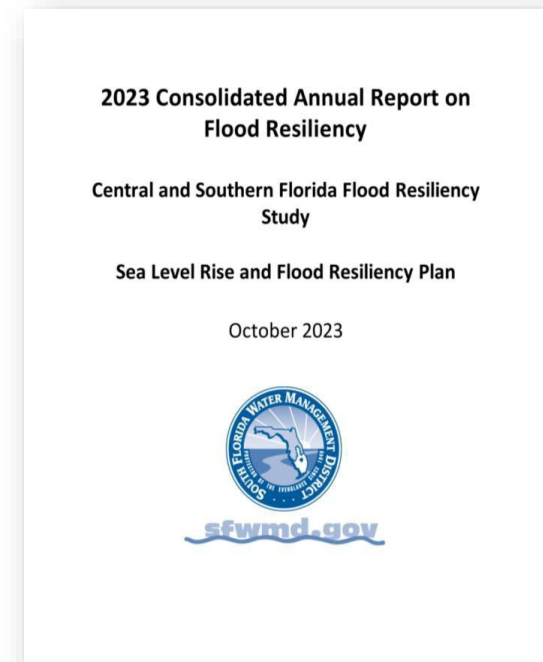


But, while awaiting approval...

- USACE introduces new study requirement – 20% engineering design (Level 3) for all project recommendations
- With 20 PHASE 1 structures (unfunded), estimates are \$40+ Million and delay to WRDA 2032
- County and partners advocated for exemption from Level 3 Engineering Studies to preserve advancement of all structures for WRDA 2026
- At same time, project team develops hybrid proposal:
 - Level 3 engineering for 4 Salinity Control Structures with preliminary estimates for remaining 16 FPLoS Level 1 Control Structures
 - Extends timeline to WRDA 2028 for authorization
 - New budget of \$19.2 Million (SFWMD \$9.6M / ACOE \$9.6 M)

Current Status and Proposed Path

- USACE not responsive to request for Level 3 engineering exemption for FPLoS Phase 1 Control Structures
- Potential path forward:
 1. Press for approval of hybrid proposal by USACE - \$19.2 M cost shared with SFWMD to ensure 2 Coastal Salinity Structures each in Miami-Dade and Broward.
 2. Coordinate with SFWMD to accelerate Level 3 engineering studies for the 20 remaining FPLoS Phase I Control Structures consistent with 2023 report
 3. FPLoS Phase 1: 7 structures in Broward County; 13 structures in Miami-Dade



Current Status and Proposed Path

4. Cost estimate of \$1.5 M per structure X 16 remaining FPLOS Phase 1 structures to be paid over two years. Assumes that 4 Salinity Control Structures (2 each county / 20 - 4) are funded by ACOE/SFWMD through an approved \$19.2 M Project.
 - a. Broward: 7 (Phase 1) - 2 funded = 5; $5 \times \$ 1.5 \text{ M} = \$ 7.5 \text{ M} / 2 \text{ years} = \3.25 M per year.
 - b. Miami-Dade: 13 (Phase 1) - 2 funded = 11; $11 \times \$ 1.5 \text{ M} = \$ 16.5 \text{ M} / 2 \text{ years} = \8.25 M per year.
5. Explore funding partnership with SFWMD
6. Desired Outcome: Broward and Miami-Dade counties, in partnership with the SFWMD, fund the Level 3 Engineering studies for the remaining 16 FPLOS Phase 1 Control Structures and submit for Federal Funding (project authorization and appropriations) on expedited schedule.

Questions ?

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