



FDEP Biscayne Bay Water Quality Improvement Grant

Phase 1: FY 2021 - 2023 - \$10M + \$10 MDC match*

Phase 2: FY 2022 - 2024 - \$12.9M + MDC match*

Phase 3: FY 2023 - 2025 - \$14.5M + MDC match*



Project Name	Project Goals	Department Lead	Funding Allocation: Phase 1 (\$10M)	Update on Project	DEP Amendment to Grant Agreement C2001	Phase 1 Location / Number	Funding Allocation: Phase 2 (\$12.9M)	Phase 2 Location / Number	Funding Allocation: Phase 3 (\$14.5M)	Phase 3 Location / Number
Water Quality Characterization	Identify, reduce or eliminate sources of water quality pollution in north Biscayne Bay watersheds - Miami River (C-6) - Little River (C-7) - Biscayne Canal (C-8)	MDC RER- DERM Partners: -FIU -UM -City of Miami	\$2,150,000	QAPP has been approved by DEP. FIU is awaiting approval of the MOU between DERM and FIU or a Task Authorization utilizing WASD's MOU with FIU to begin work.	Task 3 – Amendment 2	1) Minimum 30 sites in C-6 2) Minimum 15 sites in C-7 3) Minimum 5 sites in C-8 4) Storm-based and hot spot sampling	\$2,250,000	In-depth investigations based on Phase 1 findings.	\$0	N/A
Septic to Sewer Conversion	Prioritize conversion of parcels most vulnerable to failure	MDC WASD Partners: Village of El Portal	\$4,400,000	2937 homes in the first area have been connected. The others are completing permitting and will be connected very soon. The second area is a full sewer system expansion to more than 300 homes in the Larchmont Gardens neighborhood. The design has been completed. Sewer service is	Task 6 – Amendment 2	Largely within Little River Adaptation Action Area	\$6,690,463	A minimum of 54 properties within the Village of El Portal.	\$14,500,000	~200 properties within a designated economically vulnerable population located directly adjacent to the C-7 canal
Innovative Technology	Install Smart Covers and Smart Rain Gauges to analyze, predict, and prevent Sanitary Sewer Overflows (SSOs)	MDC RER- DERM Partners: -City of North Miami -Bay Harbour Island -Hialeah Gardens -Medlev	\$1,150,000	All 192 SmartCovers and 15 Virtual Rain Gauges have been installed. Post-installation analysis is underway to determine nutrient reduction values.	Task 4 – Amendment 3	192 SmartCovers and 15 Virtual Rain Gauges across priority basins in coastal areas	\$2,000,000	Install a minimum of 150 SmartCovers across priority basins in coastal areas	\$0	N/A
Stormwater Treatment	Design and implement engineering strategies including innovative Green Infrastructure and Low Impact Development	MDC RER- DERM & DTPW Partners: -City of Miami	\$1,300,000	The installation of stormwater treatment devices in over fifty (50) stormwater structures, in three areas of the Little River Basin, was completed in November 2023. Post-installation water quality sampling and analyses to evaluate nutrient reduction efficiency of the devices is scheduled to begin in December 2023, as rainfall permits.	Task 7 – Amendment 2	1) NW 111 St - NW 107 St and NW 21 Ct & NW 17 Av (Technology: StormBasin Filter & EcoVault Unit) 2) NW 96 St - NW 93 Ter and NW 17 Av - NW 14 Av (Technology: Hydro DryScreen, AbTech Ultra Urban Filter, SOP Stormwater Filter w/ QR Codes) 3) NW 85 St - NW 82 St and NW 5 Av - N. Miami Av (Technology: Contech JellyFish, SOP Stormwater Filter Basket, AbTech Filter Cae	\$2,000,000	1) NW 32 Av from NW 99 St - NW 106 St (Technology: SOP Stormwater Filter Basket, EcoVault Unit) 2) NW 22 Av from NW 94 St - NW 105 Ter (Technology: SOP Stormwater Filter Basket, Contech JellyFish) 3) NW 17 Av from NW 89 St - NW 98 St (Technology: SOP Stormwater Curb Inlet Screens, Hydro DryScreen) 4) NW 12 Av from NW 88 St - NW 83 St & NW 83 St from NW 15 Av to NW 12 Av (Technology: StormBasin Filter) 5) N Miami Av from NW 71 St - NW 91 St (Technology: SOP Stormwater Filter Basket, SOP Stormwater Curb Inlet Screens.	\$0	N/A
Biological Restoration to Enhance Water Quality	1) Develop a Living Shoreline guidance document 2) Sponge characterization study	MDC RER- DERM Partners: -FL Sea Grant -DEP BBAP -Nature Conservancy	\$500,000	Two consultants have been chosen to carry out these projects under the guidance of DERM staff. Project timelines have been developed and initial tasks have begun.	Task 8 – Amendment 4	1) N/A 2) Venetian Basin, within pilings just south of Julia Tuttle Causeway	\$0	N/A	\$0	N/A
Education & Outreach Connect2Protect	Education efforts in Little River Adaptation Action Area for Connect2Protect – septic to sewer conversions	MDC WASD	\$500,000	The marketing firm has developed a preliminary script for the animated explainer video. The script is currently under review and is slated to move into production next quarter upon finalization	Task 5 – Amendment 2	Largely within Little River Adaptation Action Area	\$0	N/A	\$0	N/A

*MDC match for both phases is comprised mostly of wastewater and stormwater projects; **Nutrient load reductions for each project / project type to be determined, in concert w/ DEP.