## Section216C&SF - Initial Draft Project Considerations for Baseline and FWO

Additional projects are still being evaluated and will be added to this table as the project team advances the required analysis and validations.

CERP Projects	CSFFRS Baseline	CSFFRS FWO	Relationship to CSFFRS
	2035	2085	
Biscayne Bay Coastal Wetlands (BBCW) Authorized in 2014.	Phase I, features operational.	Phase I, features operational.	The project is in Reach D. The BBCW project will divert an average of 59 percent of the annual coastal structure discharge into freshwater and saltwater wetlands instead of direct discharges
Phase I, under			to Biscayne Bay and Biscayne Bay Park.
construction and design.			BBCW Phase I includes extension of the C-100A Spur Canal and delivery of fresh water to Cutler Creek and coastal wetlands along Biscayne Bay.
Construction to be completed in 2026.			Phase I, also includes the L-31E Flow-way/North Canal Flow-way features. This includes pumps,
Phase II under feasibility.			spreader canals, and several culvert structures to manage flow between the C-102 Canal, the L-31E Canal, Military Canal, the C-103 Canal. Full Biscayne Bay Coastal Wetlands Phase 1 project as authorized:
			<ul> <li>Deering Estate Flow-way including a 100- cfs inflow pump from C-100A canal triggered by S-123HW</li> </ul>
			Cutler Flow-way
			<ul> <li>L-31E Flow-way includes 10 culverts between C-102 and C-103 and 2 culverts south of C-103</li> </ul>
			Note: L-31E Florida Power & Light Everglades Mitigation Bank 40 culverts across levee L-31E south of S-20 were included. All culverts are set to flow only downstream (out of watershed Model Land) consistent with their flap gate design.
			Project features will likely influence structures S- 21A, S-20G and S-20F and canals C-101, C-102 and C-103. These features were included in the preliminary alternatives of the C&SF flood resiliency study as possible measures for conveyance improvement and structure enhancement in Reach D.

## Draft CERP projects considerations for Baseline and FWO

Broward County	BCWPA features	BCWPA features	The project is in Reach A and B. Projects features
Water Preserve Areas		operational.	(C-11 and C-9 impoundments) will capture and
(BCWPA)	•		store excess surface water runoff from the
			Western C- 11 West Basin (C-11 and C-9 canals)
Authorized in 2014.			that is currently discharged into the Water
			Conservation Areas (WCA 3A and WCA 3B).
Project features are			conservation areas (weaps and weaps).
			Soonago managoments areas (SNAA) will
under design.			Seepage managements areas (SMA) will
			influence the seepage gradient in the area.
All the project features			
expected to be			Capture water from the C-11 West Basin will
completed by 2034.			have an influence on structures S-13, located on
			the C-11 canal and structure S-29 located on the
			C-9 canal.
			The C-11 canal, and S-13 structure are included in
			the preliminary C&SF flood resiliency study
			alternatives for conveyance and structure
			enhancement in Reach A.
			Canal C-9 and S-29 structure are included in the
			preliminary C&SF flood resiliency study
			alternatives for conveyance and structure
			enhancement in in Reach B.
			Although the C-9 and C-11 Impoundment
			projects are being designed to operate together
			in the future, for the purposes of this study they
			are operated independently. As part of the Reach
			B project, the C-9 Impoundment is simulated to
			operate under the assumption that the C-11
			would divert water to it during the design storm
			events, to represent a reasonable worst-case
			scenario for the C-9 Basin. This was a reasonable
			assumption as they could be operated that way
			in the future. For this study, the C-11
			Impoundment is operated without diverting
			water to the C-9 Impoundment, as this
			represents a reasonable worst-case scenario for
			the C-11 Basin. Please note that plans for the two
			impoundments do not include the ability to
			divert water from the C-9 Impoundment to the C-
			11 Impoundment, as it is only intended to be
			transferred the opposite way. Therefore, the
			worst-case scenario for C-11 Impoundment is
			that it becomes full and is unable to divert water
			away to C-9 Impoundment.
			Seepage managements areas (SMA) will
			influence the seepage gradient in the area.
Site 1 Impoundment	Phase I, features	Phase I, features	This project is in reach A. The Phase I features
	operational.	operational.	will reduce the amount of seepage loss from the
Authorized in 2007			
Authorized in 2007.			adjacent Loxahatchee National Wildlife Refuge

Phase I construction, completed in 2016. Phase II not completed.			(LNWR), also known as Water Conservation Area 1. This will help increase the amount of water that remains in the natural system, especially during dry periods. Maintaining additional water will allow for ecological habitat improvements in the LNWR. (Under review as flood control was not a project purpose) Site 1 is located north of the G-08 canal, the canal and the Site 1 area were identified in the preliminary C&SF flood resiliency study alternatives as possible storage and conveyance measures in Reach A.
Central Everglades Planning Project (CEPP). CEPP components authorized in the Water Resources Development Acts (WRDA) 2016, 2018 and 2020. CEPP features are under construction and design. All the project features expected to be completed by 2032.		CEPP features operational.	<ul> <li>This project has components that influence all Reaches.</li> <li>Distribution conveyance features include: <ul> <li>Conveyance improvements to Miami and North New River canals.</li> <li>Diversion of L-6 flows, infrastructure, and L-5 canal improvements.</li> <li>Remove western approximately 2.9 miles of L-4 levee west of S-8.</li> <li>Construct pump station (S-630) at western terminus of L-4 levee removal.</li> <li>Backfill Miami Canal and Spoil Mound Removal from approx. 1.5 miles south of S-8 to I-75.</li> <li>Seepage management features include:</li> <li>Construct S-356E pump station.</li> <li>Construct 4.2-mile partial-depth seepage barrier south of Tamiami Trail (along L-31N).</li> <li>G-211 operational refinements; use coastal canals to convey seepage.</li> <li>Storage and Treatment features include:</li> <li>Construct the EAA reservoir and stormwater treatment area and integrate with A-1 FEB operations.</li> <li>Lake Okeechobee operational refinements.</li> </ul> </li> <li>CEPP is located west of the C&amp;SF flood resiliency study reaches, project area. Water deliveries south of Lake Okeechobee, water management including seepage management will influences all the study reaches.</li> </ul>
C-111 Spreader Canal.		Features	Project list:
Authorized in 2012.	operational.	operational.	<ul> <li>Additional projects are:</li> <li>8.5 Square Mile Area</li> <li>L-359 Detention Area</li> </ul>

Features are	C-111 Northern Detention Area
completed.	C-111 Southern Detention Area
	S332D Detention Area
	Frog Pond Detention Area
	This project is in Reach D. The C-111 Spreader Canal Western Project will create a hydraulic ridge adjacent to Everglades National Park (ENP) that will keep more of the natural rainfall and water flows within Taylor Slough. The hydraulic ridge will be created by constructing an aboveground detention area in the Frog Pond area, installing pump stations, and integrating other project features.
	Frog Pond Detention Area and the Aerojet canals as well as the G737 structure per the SFWMD Florida Bay plan. The S199 and S200 pumps are operated per the SFWMD's operating permit and are constrained from Mar 15 – Jun 30 based on stage at the EVER4 andR3110, respectively for the protection of the CSSS Critical Habitat.
	The project will also begin restoration of the Southern Glades and Model Lands with an operable structure in the lower C-111 canal, incremental operational changes at the S-18C structure, a plug at S-20A, operational changes at the S-20 structure, and construction of earthen plugs at the C-110 canal.
	Canal C-111 and structure S-197 located in the C- 111 canal were identified in the preliminary C&SF flood resiliency study alternatives as possible storage and conveyance measures in Reach D.

## Draft State, County and Municipal projects considerations for ECB and FWO

State Projects	CSFFRS ECB (2035)	CSFFRS FWO (2085)	Relationship to CSFFRS
SFWMD: S-27	Completed	Completed	Located in Reach B (Little River & Nearby Basins) of the C&SF Flood
Coastal	and	and	Resiliency Study.
Structure and	operational	operational	
C-7 Basin	with 500 cfs	with 500 cfs	S-27 is a reinforced concrete, gated spillway, with discharge controlled by
Resiliency	capacity	capacity	two vertical lift gates with a discharge capacity of 2,800 cfs. S- 27 is a
			gravity structure, and the designed discharge capacity is achieved when
The C&SF	:		the gradient between head and tail water are sufficient to pass the flow.
Project (which			Operation of the gates is automatically controlled. The structure is in the
includes S-27)			City of Miami near the mouth of C-7 Canal about 700 feet from the shore

was authorized	of Pissauna Pay. The C 7 Pasin has a nonulation of about 270,000 noonlo
was authorized	of Biscayne Bay. The C-7 Basin has a population of about 270,000 people
and	within 32 square miles, in the northeastern portion of Miami-Dade County.
constructed by	The area drained by the C-7 Canal is fully developed with primarily
the USACE.	residential and commercial uses. The C-7 Canal is the central flood control
	feature that receives and conveys basin flood waters by gravity through
	the S-27 Coastal Structure to sea. This structure was designed to 1)
FEMA Design &	maintain optimum water control stages upstream in C-7 (Little River
implementatio	Canal), 2) release the design flood (75 percent of the Standard Project
n funding.	Flood) without exceeding upstream flood design stage 3) restricts
Completed and	downstream flood stages and discharge velocities to non- damaging levels,
operational	and 4) prevent saltwater intrusion during periods of high tides.
with 500 cfs	
capacity by	The proposed project consists of flood mitigation and enhancement
2035	strategies at C-7 Basin, known as Little River, in Miami Dade County, to
2033	build flood resiliency and increase protection against saltwater intrusion.
	Specifically, the project includes:
	• Enhancing major components of the S-27 Structure and converting the
	gate opening system to a more robust mechanism, upgrading the existing
	gates with elevated, corrosion resistant stainless steel gates, enhancing
	and elevating the control building, and adding a corrosion control system
	to the structure.
	<ul> <li>Building a new forward pump station that will convey flood waters to tide</li> </ul>
	when downstream water elevations are too high to allow gravity flow. The
	design of the proposed forward pump station will be adaptable and will
	include the ability to easily add additional pump capacity in the future as
	conditions continue to change. Current funding accommodates the
	completion and operation of the forward pump station with 500 cfs
	capacity.
	<ul> <li>Constructing a tie back flood barrier/salinity barrier to provide flood and</li> </ul>
	storm surge protection and supporting the required function of the
	spillway gates and pump for the selected scenario of 100-year event with
	three-foot SLR.
	<ul> <li>Building an approximately 2-acre flow-through wetland/stormwater</li> </ul>
	detention area to reduce local runoff on the W.H. Turner High School
	property (owned by Miami-Dade County Public Schools). This project
	feature will increase the ability to leverage partners and enhance outreach
	activities and emphasize community engagement. This stormwater
	detention area will be incorporating 750 Biosorption Activated Media
	(BAM), an innovative stormwater best management practice in South
	Florida that has been deployed across agencies and in varied use cases and
	has consistently reduced harmful nutrients such as Nitrogen and
	Phosphorus and other contaminants in stormwater. BAM is a patented
	unique combination of recycled tire crumb, silt, clay, and sand that is
	optimized for inert filtration, reactive filtration, and to provide an ideal
	habitat for microbes to facilitate biosorption & biological uptake.
	• Installing 1,500 linear feet of living shoreline along the C-7 Canal Bank to
	assist in reducing bank erosion and improve aesthetics and storm
	resiliency. The flow-through wetland/stormwater detention area and living
	shoreline features will be incorporated into the W.H. Turner High School
	curriculum for environmental science students. In addition, a shaded
	gathering area, a community garden, educational signage, and outdoor
LI	

			classroom amenities for public use and to increase community engagement will be incorporated to the project.
	-	-	Located in Reach B (Little River & Nearby Basins) of the C&SF Flood
SFWMD: S-28			Resiliency Study.
	operational		This project proposes to use a combination of NBS and gray infrastructure
	capacity	capacity	is the District's C-8 Basin project in Miami-Dade County. The area drained by the C-8 Canal is fully developed with primarily residential and commercial uses. The C-8 Canal is the central flood control feature that
Partially funded \$50M			receives and conveys basin floodwaters by gravity through the S-28 Coastal Structure to sea.
FEMA BRIC +			
SFWMD &			S-28 Costal Structure Replacement: replacing major components of the
MDC Match.			S-28 Structure with a new elevated, gated, water control structure.
Not Started.			Converting the gate opening system to a more robust mechanism,
Conceptual			replacing the existing gates with corrosion resistant stainless-steel gates
Design			and increased height, replacing the control building with a hardened and
Completed			elevated control building, and adding a corrosion control system to the structure
			<ul> <li>Forward Pump: building a newforward pump station that will convey flood waters to tide when downstream water elevations are too high to</li> </ul>
			allow gravity flow. The design of the proposed forward pump station will
			be adaptable and will include the ability to add additional pumps in the
			future as conditions continue to change. Per the FPLOS Phase II Studies in
			the C-8 Basin (2023): M2A(SLR 1') 1,550 cfs; M2B (SLR 2') 2,550 cfs; M2C
			(SLR 3') 3,550 cfs. Current funding accommodates the completion and
			operation of the forward pump station with 500cfs capacity.
			• Tie Back Flood Barrier: Constructing a tie-back flood barrier to provide
			flood and storm surge protection and supporting the required function of
			the spillway gates and pump during a 100-year event with three foot SLR.
			<ul> <li>Canal Improvements: including elevating and enhancing secondary canal</li> </ul>
			banks throughout the basin to 6ft, including the S-28 Coastal Structure
			immediate of C-8 Canal, as well as the most vulnerable locations along the
			secondary system (Marco Canal, NW 17 AVE Canal, Red Road/NW 57 AVE
			Canal, Spur #4 Canal, Spur Canal, Upper Rio Vista Canal), in partnership with Miami Dade county.
			<ul> <li>Storage: Adding approximately 250-acre feet of distributed storage in the C-8 Basin</li> </ul>
			<ul> <li>Building vegetated berms and constructing a temporary impoundment</li> </ul>
			to reduce runoff, therefore reducing peak flood elevations by storing water
			on the Miami Shores Golf Course during extreme events until canal
			elevations subside allowing the impoundment to drain slowly and including a gated culvert to connect the detention area to the C-8 Canal
			including a gated culvert to connect the detention area to the C-8 Canal. Beneficial reuse of excavated sediments from ditches/ponds to build
			levees, berms.
			<ul> <li>Installing living shoreline features to assist in reducing bank erosion,</li> </ul>
			improve aesthetics and storm resiliency. Ancillary benefits include creation

			of aquatic habitat and water quality benefits which will increase recreational value in the project area (kayaking, canoeing, wildlife observation and fishing).
SFWMD: S-29a	ind	and	Located in Reach B (Little River & Nearby Basins) of the C&SF Flood Resiliency Study.
	operational		
			S-29 is a gravity structure, and the designed discharge capacity is achieved
	apacity		when the gradient between head and tail water are sufficient to pass the
Resiliency			flow. Operation of the gates is automatically controlled so that the gates
			open or close in accordance with the seasonal operational criteria. The
FEMA Design &			structure's original design did not account for SLR of the magnitudes that
implementatio			are being experienced today along the coastline of south Florida.
n funding. Completed and			This resiliency project is mainly tied to the District's mission to provide
operational			flood control, water supply protection, and ecosystem restoration. This
with 500 cfs			project proposes flood risk reduction measures for the C-9 Basin, a region
capacity by			of about 549,964 389 people (Census Tracts, 2022), encompassing 100
2035			square miles, located in the southern portion of Broward County and
			northeastern portion of Miami-Dade County. The basin area is fully
			developed with primarily residential and commercial uses. The C-9 Canal
			and the S-29 Coastal Structure are the primary flood control features of
			this basin. The C-9 Canal receives and conveys flood waters by gravity
			through the S-29 Coastal Structure to the Oleta River (tide). The S-29
			Coastal structure is a reinforced concrete, gated spillway, with discharge
			controlled by four cable operated, vertical lift gates with a discharge
			capacity of 4,780 cfs. The S-29 Structure is located near the mouth of the
			C-9 Canal, in an urbanized area of North Miami Beach east of Biscayne
			Boulevard and just north of Northeast 165th Terrace. The structure
			controls fresh waterflows out of the C-9 Canal into the Oleta River and
			drains the C-9 East and C-9 West watersheds. The C-9 Canal extends
			approximately 19.5 miles east from the L-33 Canal adjacent to Water
			Conservation Area 3B and the lake belt region, before traversing the
			densely populated area between Miramar to the north and Miami Gardens
			to the south. The canal drainage area is developed with a mixture of commercial structures along Biscayne Boulevard, high rise residences
			immediately to the east and a public park to the north.
			The proposed project consists of flood mitigation and enhancement
			strategies at the C-9 Basin to build flood resiliency and increase protection
			against saltwater intrusion. Specifically, the project includes:
			• S-29 Coastal Structure Enhancement: converting the gate opening
			system to a more robust mechanism, upgrading the existing gates to
			elevated, corrosion resistant stainless-steel gates and enhancing,
			elevating, and hardening the control building, and adding a corrosion
			control system to the structure.
			<ul> <li>Forward Pump: building a new forward pump station that will convey</li> </ul>
			flood waters to tide when downstream water elevations are too high to
			allow gravity flow. The design of the proposed forward pump station will
			be adaptable and will include the ability to add additional pumps in the

			future as conditions continue to change. Bor the EDLOS Phase II Studies in
			future as conditions continue to change. Per the FPLOS Phase II Studies in the C-8 and C-9 Basins (2023): M2A (1' SLR) 1,550 cfs; M2B (2' SLR) 2,550
			cfs; M2C (3' SLR) 3,550 cfs. Current funding accommodates the completion
			and operation of the forward pump station with 500cfs capacity.
			and operation of the forward pump station with soders capacity.
			• Tie Back Flood Barrier: constructing a tie back flood barrier/salinity
			barrier to provide flood and storm surge protection and supporting the
			required function of the spillway gates and pump during a 100-year event
			with three-foot SLR.
			<ul> <li>Canal Improvements: raising secondary canal bank elevations to the flood criteria elevation for the area.</li> </ul>
			<ul> <li>Storage: Adding approximately 250-acre feet of distributed storage in the C-9 Basin</li> </ul>
			<ul> <li>Enhancing an approximately 16-acre flow-through wetland/stormwater</li> </ul>
			detention area at Pickwick Lake (Figure 9-7), which is owned by the City of
			North Miami Beach, to reduce local runoff in the area. The stormwater
			detention area will incorporate Biosorption Activated Media (BAM), an
			innovative stormwater best management practice in South Florida that has
			been deployed across agencies and in varied use cases and has consistently
			reduced harmful nutrients such as nitrogen and phosphorus and other
			contaminants in stormwater.
			<ul> <li>Installing 1,850 linear feet of living shoreline to assist in reducing bank</li> </ul>
			erosion and improve aesthetics and storm resiliency. In addition, a shaded
			gathering area, educational signage, and other amenities to help increase
1	1		
			community engagement and public use will be incorporated to the project
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County	CEEDS	CEEDS	community engagement and public use will be incorporated to the project
	CSFFRS ECB	CSFFRS FWO	community engagement and public use will be incorporated to the project
Projects	ЕСВ	FWO	Relationship to CSFFRS
Projects Broward			Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County
Projects Broward County:	<b>ECB</b> Complete and	FWO Complete and	Relationship to CSFFRS
Projects Broward County:	<b>ECB</b> Complete and	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow
Projects Broward County: Sample Road	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro
Projects Broward County: Sample Road Improvement	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and
Projects Broward County: Sample Road Improvement Project (C1-C2	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along
Projects Broward County: Sample Road Improvement Project (C1-C2 Canal Interconnect)	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along the coast preventing saline water intrusion and protecting public water
Projects Broward County: Sample Road Improvement Project (C1-C2 Canal Interconnect) Solely funded	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along the coast preventing saline water intrusion and protecting public water supply water sources. The ability to move water and maintain consistent water levels is of benefit to the operation of the Water Control District.
Projects Broward County: Sample Road Improvement Project (C1-C2 Canal Interconnect) Solely funded by Broward	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along the coast preventing saline water intrusion and protecting public water supply water sources. The ability to move water and maintain consistent water levels is of benefit to the operation of the Water Control District. The Sample Road Recharge Line is the addition of a gated culvert located
Projects Broward County: Sample Road Improvement Project (C1-C2 Canal Interconnect) Solely funded by Broward County Water	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along the coast preventing saline water intrusion and protecting public water supply water sources. The ability to move water and maintain consistent water levels is of benefit to the operation of the Water Control District. The Sample Road Recharge Line is the addition of a gated culvert located at Sample Road and Military Trail, in Deerfield Beach. This new structure
Projects Broward County: Sample Road Improvement Project (C1-C2 Canal Interconnect) Solely funded by Broward County Water Control District	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along the coast preventing saline water intrusion and protecting public water supply water sources. The ability to move water and maintain consistent water levels is of benefit to the operation of the Water Control District. The Sample Road Recharge Line is the addition of a gated culvert located at Sample Road and Military Trail, in Deerfield Beach. This new structure would release water from Crystal Lake (also known as Sailboat Lake) to the
Projects Broward County: Sample Road Improvement Project (C1-C2 Canal Interconnect) Solely funded by Broward County Water Control District 2. The project	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along the coast preventing saline water intrusion and protecting public water supply water sources. The ability to move water and maintain consistent water levels is of benefit to the operation of the Water Control District. The Sample Road Recharge Line is the addition of a gated culvert located at Sample Road and Military Trail, in Deerfield Beach. This new structure would release water from Crystal Lake (also known as Sailboat Lake) to the 2_C1 Canal, which runs along the western side of I-95 and outfalls about 1-
Projects Broward County: Sample Road Improvement Project (C1-C2 Canal Interconnect) Solely funded by Broward County Water Control District 2. The project was completed	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along the coast preventing saline water intrusion and protecting public water supply water sources. The ability to move water and maintain consistent water levels is of benefit to the operation of the Water Control District. The Sample Road Recharge Line is the addition of a gated culvert located at Sample Road and Military Trail, in Deerfield Beach. This new structure would release water from Crystal Lake (also known as Sailboat Lake) to the 2_C1 Canal, which runs along the western side of I-95 and outfalls about 1- mile downstream of Structure G-56 on the Hillsboro Canal. For the
Projects Broward County: Sample Road Improvement Project (C1-C2 Canal Interconnect) Solely funded by Broward County Water Control District 2. The project	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along the coast preventing saline water intrusion and protecting public water supply water sources. The ability to move water and maintain consistent water levels is of benefit to the operation of the Water Control District. The Sample Road Recharge Line is the addition of a gated culvert located at Sample Road and Military Trail, in Deerfield Beach. This new structure would release water from Crystal Lake (also known as Sailboat Lake) to the 2_C1 Canal, which runs along the western side of I-95 and outfalls about 1-
Projects Broward County: Sample Road Improvement Project (C1-C2 Canal Interconnect) Solely funded by Broward County Water Control District 2. The project was completed	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along the coast preventing saline water intrusion and protecting public water supply water sources. The ability to move water and maintain consistent water levels is of benefit to the operation of the Water Control District. The Sample Road Recharge Line is the addition of a gated culvert located at Sample Road and Military Trail, in Deerfield Beach. This new structure would release water from Crystal Lake (also known as Sailboat Lake) to the 2_C1 Canal, which runs along the western side of I-95 and outfalls about 1- mile downstream of Structure G-56 on the Hillsboro Canal. For the purposes of this study, this gated culvert was opened at the start of the design storm rainfall.
Projects Broward County: Sample Road Improvement Project (C1-C2 Canal Interconnect) Solely funded by Broward County Water Control District 2. The project was completed	ECB Complete and operational	FWO Complete and	Relationship to CSFFRS Design info in the FPLOS model. The connection between Broward County Water Control District 2's C-1 and C-2 Canals provides an alternative flow path within the secondary canal system to route discharge to the Hillsboro Canal during wet periods and allows canal operation during both dry and wet times to move water east and hold a more consistent water level along the coast preventing saline water intrusion and protecting public water supply water sources. The ability to move water and maintain consistent water levels is of benefit to the operation of the Water Control District. The Sample Road Recharge Line is the addition of a gated culvert located at Sample Road and Military Trail, in Deerfield Beach. This new structure would release water from Crystal Lake (also known as Sailboat Lake) to the 2_C1 Canal, which runs along the western side of I-95 and outfalls about 1- mile downstream of Structure G-56 on the Hillsboro Canal. For the purposes of this study, this gated culvert was opened at the start of the

	Complete	Complete	Design info in the EDLOC medal. This purpose is leasted between the cost of
	Complete and	Complete and	Design info in the FPLOS model. This pump is located between the east of
			Meridian Drive North in Broward County, at the Hillsboro Canal. During on-
	operational	operational	peak operations (assumed to be during the rainfall event and up to 24-
Basins: North			hours later), the pump has a discharge capacity of 25,000 GPM and will
Springs			discharge to the Hillsboro Canal whenever the upstream stage (water level
Improvement			in the secondary system) is greater than 8.7 ft NGVD29 and will turn off
District (NSID)			when the upstream stage falls below 8.5 ft NGVD29. During off-peak
Pump Station 3			operation (assumed to be more than 24-hours after rainfall event), the
Considered the second			pump has a discharge capacity of 50,000 GPM and will discharge to the
Funded by			Hillsboro Canal whenever the upstream stage in Hillsboro Canal (in
NSID Bond.			proximity of the pump) is less than 10 ft NGVD29 and will turn off when
Permitted (ERP			the upstream stage falls below 8.5 ft NGVD29. (from FPLOS)
#06-00073-S)			
and			Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood
constructed			Resiliency Study.
	Complete	Complete	This Project will interconnect the Northern Stormwater Management
,	and	and	System ("Northern System") to the Ravenswood System, to the west of I-
	operational	operational	95, and will be constructed in 2 phases. The first phase includes a proposed
System			72-inch equalizer stormwater pipe to interconnect the Northern System
Interconnectio			and the Ravenswood System. It will also involve expanding the existing
n			stormwater management area in the Ravenswood System. This
			improvement will provide additional storage volume for stormwater runoff
2022 Funded			and improve flood attenuation while increasing water quality treatment
by Resilient			capacity. The second phase includes retrofitting a proposed stormwater
Florida Grant.			pump station within the interconnection between the 2 systems. This
In the early			improvement will mitigate the impacts of future sea level ride by
design stage.			maintaining a consistent discharge flow via the interconnection.
Current grant			
agreement			Design info located in supporting documentation folder > Broward Co (4)
expires on			FLL project designs:
9/30/2026.			211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf
Complete and			FLL Stormwater Primary System Basin and projects.pdf
operational by			
2035			The final designer has been selected. The name of the firm is Keith &
L			Associates. It is expected that the engineering design will start in
The final			September 2023.
designer has			
been selected.			Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood
The name of			Resiliency Study.
the firm is			
Keith &			
Associates.			
It is expected			
that the			
engineering			
design will			
start in			
September			
2023.			
	Complete	Complete	The proposed Project will improve the stormwater management system
	and	and	within Edgewood Park, located just north of FLL. The recommended
County:	operational	operational	improvements include the upsizing of drainage culverts and restoration of

FLL Edgewood		the original cross sections which consist of open drainage ditches at
Park		Edgewood Park. Completion of the Project will ensure that a consistent
Stormwater		stormwater discharge rate is maintained from the existing stormwater
Project		management system into Osceola Creek, located just north of Edgewood
		Park and will prepare FLL for potential impacts of future sea level rise.
2023 Funded		
by Resilient		Design info located in supporting documentation folder > Broward Co (4)
Florida Grant.		FLL project designs:
Grant expires		211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf
9/30/2026.		FLL Stormwater Primary System Basin and projects.pdf
The final		,, , , , ,
designer has		The final designer has been selected. The name of the firm is Keith &
been selected.		Associates.
The name of		It is expected that the engineering design will start in September 2023.
the firm is		it is expected that the engineering design will start in september 2025.
Keith &		Located in Reach A (Proward & Hillshare Pacing) of the CRSE Flood
		Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood
Associates.		Resiliency Study.
It is expected		
that the		
engineering		
design will		
start in		
September		
2023.		
Broward Complete	e Complete	The master stormwater management system at FLL is subdivided into 7
County: and	and	primary drainage basins with independent positive outfalls that discharge
FLL System 1 operation	nal operational	stormwater runoff off-site. The Project will include improvements to the
Basin A		master stormwater management system which will interconnect the
Stormwater		Northern Stormwater Management System ("Northern System") and the
Interconnectio		System 1 Basin A ("Basin A") within the North Airfield at FLL. The
n Project		improvements provide flood protection and include the installation of a
		new control structure and 48-inch stormwater pipe between the Northern
2023 Funded		new control structure and 48-inch stormwater pipe between the Northern System and Basin A. The interconnectivity will maximize the effectiveness.
2023 Funded		System and Basin A. The interconnectivity will maximize the effectiveness
by Resilient		
by Resilient Florida Grant.		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins.
by Resilient Florida Grant. Grant expires		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4)
by Resilient Florida Grant. Grant expires 9/30/2026.		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs:
by Resilient Florida Grant. Grant expires 9/30/2026. The final		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs:
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected.		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected. The name of		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith &
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected.		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith & Associates.
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected. The name of		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith &
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected. The name of the firm is		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith & Associates.
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected. The name of the firm is Keith &		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith & Associates.
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected. The name of the firm is Keith & Associates.		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith & Associates. It is expected that the engineering design will start in September 2023.
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected. The name of the firm is Keith & Associates. It is expected		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith & Associates. It is expected that the engineering design will start in September 2023. Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected. The name of the firm is Keith & Associates. It is expected that the engineering		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith & Associates. It is expected that the engineering design will start in September 2023. Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected. The name of the firm is Keith & Associates. It is expected that the engineering design		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith & Associates. It is expected that the engineering design will start in September 2023. Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood
by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected. The name of the firm is Keith & Associates. It is expected that the engineering design will start in		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith & Associates. It is expected that the engineering design will start in September 2023. Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood
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by Resilient Florida Grant. Grant expires 9/30/2026. The final designer has been selected. The name of the firm is Keith & Associates. It is expected that the engineering design will start in		System and Basin A. The interconnectivity will maximize the effectiveness and discharge capacity from each of the existing primary drainage basins. Design info located in supporting documentation folder > Broward Co (4) FLL project designs: 211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf FLL Stormwater Primary System Basin and projects.pdf The final designer has been select-ed. The name of the firm is Keith & Associates. It is expected that the engineering design will start in September 2023. Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood

Broward	Complete	Complete	The mester stormwater management system at ELL is subdivided into 7
	Complete	Complete	The master stormwater management system at FLL is subdivided into 7
County:	and	and	primary drainage basins with independent positive outfalls that discharge
	-	operational	stormwater runoff off-site. The Project will include improvements to the
Basin B			master stormwater management system which will interconnect the
Stormwater			Northern Stormwater Management System ("Northern System") and the
Interconnectio			System 1 Basin B ("Basin B") within the North Airfield at FLL. The
n Project			improvements provide flood protection and include the installation of a
			new 24-inch stormwater pipe connection between the Northern System
2023 Funded			and Basin B. The interconnectivity will maximize the effectiveness and
by Resilient			discharge capacity from each of the existing primary drainage basins.
Florida Grant.			discharge capacity from cach of the existing primary dramage basilis.
			Design infolozoted in supporting desumantation folder $>$ Draward Co (4)
Grant expires			Design info located in supporting documentation folder > Broward Co (4)
9/30/2026.			FLL project designs:
The final			211029 FLL SWMP - Stormwater Master Plan Update Final_SFWMD.pdf
designer has			FLL Stormwater Primary System Basin and projects.pdf
been selected.			
The name of			The final designer has been select-ed. The name of the firm is Keith &
the firm is			Associates.
Keith &			It is expected that the engineering design will start in September 2023.
Associates.			
			Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood
It is expected			Resiliency Study.
that the			itesiterey study.
engineering			
design			
will start in			
September			
2023.			
1	1		
Drouverd	Comelat-	Complete	This Droject will enhance the valishility and stress the state Drovers 1.0
Broward	Complete	Complete	This Project will enhance the reliability and strength of the Broward County
County:	and	and	S-27 structure to withstand sea level rise pressures, minimize tidally
County: Broward	and operational	and	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect
County:	and operational	and	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The
County: Broward	and operational	and	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect
County: Broward County Canal	and operational	and	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The
County: Broward County Canal Structure S-27	and operational	and	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry
County: Broward County Canal Structure S-27 Resilience	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during
County: Broward County Canal Structure S-27 Resilience Improvements	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources.
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant.	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27 Structure Replacement Design:
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant. The design will	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant. The design will be complete by	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27 Structure Replacement Design: S27 Design Plans_URS.pdf
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant. The design will be complete by July 2024.	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27 Structure Replacement Design: S27 Design Plans_URS.pdf To view location go to:
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant. The design will be complete by July 2024. Construction	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27 Structure Replacement Design: S27 Design Plans_URS.pdf To view location go to: https://geohub-
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant. The design will be complete by July 2024. Construction will be	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27 Structure Replacement Design: S27 Design Plans_URS.pdf To view location go to:
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant. The design will be complete by July 2024. Construction	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27 Structure Replacement Design: S27 Design Plans_URS.pdf To view location go to: https://geohub-
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant. The design will be complete by July 2024. Construction will be	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27 Structure Replacement Design: S27 Design Plans_URS.pdf To view location go to: https://geohub- bcgis.opendata.arcgis.com/apps/bf33feac7c2c4c3cbd5fd0f1a6730f7c/exp
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant. The design will be complete by July 2024. Construction will be complete by	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27 Structure Replacement Design: S27 Design Plans_URS.pdf To view location go to: https://geohub- bcgis.opendata.arcgis.com/apps/bf33feac7c2c4c3cbd5fd0f1a6730f7c/exp
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant. The design will be complete by July 2024. Construction will be complete by	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27 Structure Replacement Design: S27 Design Plans_URS.pdf To view location go to: https://geohub- bcgis.opendata.arcgis.com/apps/bf33feac7c2c4c3cbd5fd0f1a6730f7c/exp lore The structure location is at these coordinates: 26.16792, -80.162897.
County: Broward County Canal Structure S-27 Resilience Improvements Fully funded in 2023 by Resilient Florida Grant. The design will be complete by July 2024. Construction will be complete by	and operational	and operational	S-27 structure to withstand sea level rise pressures, minimize tidally controlled water from contaminating freshwater canals, and protect existing vegetation in the adjacent County-owned Easterlin Park. The project will be active year-round holding freshwater inland during dry times, releasing water to the tidal side of the District's C-13 canal during wet times, and preventing the backflow of saline water at high tide and during storm surges. This project will prevent saline water from the tidal section of the C-13 canal from contaminating inland fresh water sources. Design info located in Supporting Documents folder > Broward Co S-27 Structure Replacement Design: S27 Design Plans_URS.pdf To view location go to: https://geohub- bcgis.opendata.arcgis.com/apps/bf33feac7c2c4c3cbd5fd0f1a6730f7c/exp lore

County: e	or C-7, C-8	canal bank extensions.	None of the planned secondary canal extensions on the Water Control Map are expected to be completed by 2035. The canal bank extension and canal bank elevation shapefiles were shared by Alberto Pisani on 8.25.2023. Similarly, the shapefile for the control structures as shown on				
the Water(	Planning	elevations	the Water Control Map was shared on 9.07.2023.				
Control Map: F The canal bank		for Planning	-				
deficiencies will be		D.	C and CFC_2ndCANAL_10ft – shapefile of locations along the secondary canals identified as having canal bank deficiencies per the County Flood Criteria. The points were created from a raster of 10x10 ft cells. The canal bank				
addressed for basins C-7, C-8,			deficiencies will be addressed for basins C-7, C-8, and C-9 by 2035. The rest are in Reach C (Miami River & Nearby Basins) & Reach D (South Miami				
and C-9 by 2035.			Basins) of the C&SF Flood Resiliency Study and will be included in FWOP.				
None of the planned Canal			- CANAL Water Control MDC- shapefile of all types of projects (primary and secondary canals, ditches, flow rights, flood control projects, other				
Bank Extensions are expected to be			waterways and sloughs. Planned primary and secondary canals are the features considered for ECB and FWOP.				
completed by 2035.			Planning Reach B				
			C-7				
			Elevating secondary system canal banks to the flood criteria elevation for				
			the area:				
			Biscayne Canal Spur No. 1				
			Canal Spur				
			Gratigny Canal				
			NW 127 ST Canal				
			Palm Springs Canal				
			Peter's Pike Canal				
			<ul> <li>Red Road Canal NW 57 Ave Canal</li> <li>Rio Vista Canal</li> <li>Spur Canal No. 1</li> </ul>				
			Upper Rio Vista Canal				
			C-8				
			Elevating secondary system canal banks to the flood criteria elevation for the area:				
			Burlington Canal				
			Golden Glades Canal				
			Grahams Dairy Canal				
			Grahams Dairy I-75 Interch				
			Marco Canal				
			NW 17 Ave Canal				
			Opa Locka Canal				
			Peter's Pike Canal				
			Red Road Canal NW 57 Ave Canal				
			• Spur #4 Canal				

	Spur Canal No. 1
	Upper Rio Vista Canal
	Planned Secondary canals or ditches:
	NW 107 Ave Canal West
	NW 97 Ave Canal Improvements
	C-9
	Elevating secondary system canal banks to the flood criteria elevation fo the area:
	Calder Canal
	<ul> <li>Carol City Canal (A, A-2, A-2A, A-2B, A-3, A-4, A-6, A-7, A-8, A-4)</li> </ul>
	B, B-1)
	East Andover Canal
	Golden Glades Canal
	Highland Oaks Canal
	Lake Lucerne Canal
	North Dade Golf Canal
	NW 107 Ave Canal
	NW 202 St Canal
	NW 27 Ave Canal
	Palm Canal
	Palm Springs North Canal
	<ul> <li>Peter's Pike Canal</li> </ul>
	Real Site
	<ul> <li>Red Road Canal NW 57 Ave Canal</li> </ul>
	West Andover Canal
	Planned Secondary canals or ditches:
	Golden Glades Ditch
	Planning Reach C
	C-6
	Elevating secondary system canal banks to the flood criteria elevation f
	the area:
	Dressels Dairy Canal
	North Line Canal
	NW 58 ST Canal
	Snapper Creek Extension Canal
	F.E.C. Canal
	Melrose Canal
	NW 25 ST Canal
	Comfort Canal
	Lawrence Waterway
	NW 97 Ave Canal
	Russian Colony Canal
1	NW 87 Ave Canal
	Red Road Canal NW 57 Ave Canal

Gratigny Canal
Planned Secondary canals or ditches:
NW 107 Ave Canal West
• NW 107 Ave canal West
C-4
Elevating secondary system canal banks to the flood criteria elevation fo
the area:
DADE BROWARD LEVEE
MUD CREEK CANAL
SW 132 AVE CANAL
CORAL PARK CANAL
CORAL WAY CANAL
SNAPPER CREEK EXTENSION CANAL
SW 97 AVE CANAL
WESTBROOK CANAL
CORAL GABLES CANAL
WESTCHESTER CANAL
MUD CANAL NEW 137 AVE
NORTH LINE CANAL
• NW 12 ST
NW 41 ST DITCH SOUTH
DRESSELS DAIRY CANAL
• F. E. C. CANAL
VENETIAN CANAL
COMFORT CANAL
NW WELLFIELD CANAL
Planned Secondary canals or ditches:
PENNSUCO
C-2
Elevating secondary system canal banks to the flood criteria elevation fo
the area:
SW 60 ST CANAL EXTENSION
SW 64 ST CANAL
SUNSET PARK CANAL
SW 60 ST CANAL
WESTWOOD LAKES CANAL
WESTWOOD LAKES CANAL I
BROAD CANAL
LUDLAM GLADES CANAL
TWIN LAKE CANAL
BIRD DRIVE EXTENSION CANAL
ROYAL GREEN CANAL
SW 132 AVE CANAL
SW 144 AVE CANAL
SW MANOR CANAL
CORAL WAY CANAL

HEFTLER HOMES M
HEFTLER HOMES N
HEFTLER HOMES O
HEFTLER HOMES P
SOUTHERN ESTATES CANAL
WESTWOOD LAKES CANAL G
WESTWOOD LAKES CANAL H
WESTWOOD LAKES CANAL J
WESTWOOD LAKES CANAL L
SW 92 AVE CANAL
Planned Secondary canals or ditches:
• SW 157 AVE
SW 63 ST CANAL PLANNED
SW 170 AVE CANAL
• SW 167 AVE CANAL
Planning Reach D
C-1
Elevating secondary system canal banks to the flood criteria elevation for
the area:
SW 87 AVE CANAL
BEL-AIRE CANAL E-2
BEL AIRE CANAL W_1
BEL AIRE CANAL W_2
BEL AIRE CANAL W_3
BEL AIRE CANAL E_1
CUTLER RIDGE CANAL
GUAVAL CANAL
• SW 122 AVE CANAL
Planned Secondary canals or ditches:
Sw 232 St from SW 97 Ave to Sw 87 Ave
• Sw 232 St from SW 97 Ave to West
• C-1 EXT @ SW 150 ST
C-100
Elevating secondary system canal banks to the flood criteria elevation for
the area:
BELAIRE SECTION CANAL
LINDGREN CANAL
BIGMAN CANAL
SW 70 AVE CANAL
SW MARAL ESTATES CANAL
C-100A EXTENSION CANAL
KENDALE SPUR CANAL 1
KENDALE SPUR CANAL 3
KENDALE SPUR CANAL
KENDALE SPUR CANAL 2

Cort	Complete	Complete	The Dreamers Neighborhood Jacoted just partheast of downtown Fart
	-	-	The Progresso Neighborhood, located just northeast of downtown Fort
			Lauderdale, is approximately 315 acres encompassing 1100+ properties
-	operational.	-	which include warehouses and industrial usage, as well as multifamily
Stormwater			buildings.
Flooding			The project will include replacing the aging, undersized, and fragmented
Improvements:			stormwater management infrastructure with a new system designed for
			the current and future climate. The project will reduce the frequency,
			intensity, and duration of flooding in the neighborhood and provide
Substantially			water quality treatment prior to being discharged into the North Fork of
designed as			the New River and, ultimately, into the Intracoastal Waterways.
part of the Jan			This project is located east of the salinity control structures of the C&SF
2018			system.
Stormwater			
Master			Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood
Plan. Funding			Resiliency Study.
committed in			
the City's Five-			
Year			
Community			
Investment			
Plan starting in			
FY 2024.			
This project			
has been			
designed,			
permitted,			
with			
construction			
bid documents			
prepared for			
advertisement,			
and is			
considered			
shovel ready.			
Current			
timeline for			
bidding and			
initiating			
construction is			
scheduled for			
FY 2024.			
Estimated 2-			
year			
construction			
time frame.			
Fort	Complete	Complete	The Dorsey-Riverbend Neighborhood stormwater project area is
		and	approximately 382 acres with ~1300 parcels of primarily low to moderate
Dorsey	operational	operational	income residences located within the City of Fort Lauderdale.
Riverbend			The project will replace the 60+ year old aging and undersized
Stormwater			stormwater management infrastructure with a comprehensive system
			that will provide protection against large tropical storm events, such as

Flooding Improvements Substantially designed as part of the Jan 2018 Stormwater Master Plan. Funding committed in the City's Five- Year Community Investment This project has been designed and permitted, with construction bid documents prepared for advertisement, and is considered shovel ready. Current timeline for bidding and initiating construction is scheduled for FY 2024. Estimated 2- year			hurricanes, as well as future sea level rise. The improvements will significantly reduce the frequency, intensity and duration of flooding in the neighborhood and improve water quality treatment prior to discharged into the North Fork of the New River and ultimately into the Intracoastal Waterways. This project is located east of the salinity control structures of the C&SF system. Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood Resiliency Study.
year construction time frame.			
Port Everglades: s Bulkhead	Replacemen t Project, Group 1, Project complete.	Replacemen t Project, Group 1, Project complete.	North Bulkhead to the Entrance Channel (±1,220'). Designed to accommodate five feet of SLR after the design date (~2022). Design info located in Supporting Documentation folder > Broward Co – Port Everglades Seawall Replacement Design: Port Everglades Bulkhead Replacement Design_DF22-1131FINALpdf Port Everglades Bulkhead Replacement Project Group 1 (003).pdf Located in Reach A (Broward & Hillsboro Basins) of the C&SF Flood Resiliency Study.

currently			
active).			
BRP Group 1			
Project 1 is			
funded by			
multiple			
sources			
including:			
•			
FDEP'			
s Resiliency			
Grant			
•			
USDO			
T's MARAD			
Grant			
Project 1			
design			
completion is			
100%,			
currently in			
, pre-			
construction			
and has been			
advertised.			
	· I		