

USACE Civil Works Missions

Source: U.S. Army Corps of Engineers, U.S. Army Corps of Engineers Headquarters Website

U.S. ARMY CORPS OF ENGINEERS (USACE) PROJECT INTEGRATION IN SOUTHEAST FLORIDA

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the **Projects**

USACE CIVIL WORKS MISSIONS

PRIORITY CIVIL WORKS MISSIONS

- Flood Risk Management (FRM)
- Coastal Storm Risk Managemént (CSRM)
- Àquatic Ecosystem Restoration (AER)
- Commercial Navigation (NAV)
- Watershed Studies

ADDITIONAL CIVIL WORKS MISSION AREAS

- Recreation
- Water Supply
- Hydropower
- Environmental Stewardship
- Regulatory
- Continuing Authority Program (CAP)

Continuing

CIVIL WORKS MISSIONS IN SOUTHEAST FLORIDA

USACE CIVIL WORKS PROJECT DEVELOPMENT PHASES

PRE-PROJECT	FEASIBILITY	PRECONSTRUCTION ENGINEERING AND DESIGN (PED)	CONSTRUCTION	OPERATIONS AND MAINENANCE
	 Identify Problems and Opportunities Obtain Federal Study Authority Obtain Study Funding Conduct Feasibility Study to Recommend 	 Obtain Federal Approval to Design the Projects Obtain Design Funding Design and Prepare Plans and Specifications 	 Obtain Federal Construction Authority Construct the Project 	 Operation, Maintenance, Repair, and Rehabilitation (OMRR&R) Monitoring

USACE project benefits focus on quantifiable economic gains to the National Economic Development (NED), and the National Ecosystem Restoration (NER) benefits prioritizing ecosystem restoration and non-monetary outcomes

USACE MISSIONS AND PROJECTS ACROSS THE LANDSCAPE

Contributing to a Collection of Measures that Can Help Communities Adapt to Changing Conditions and Become More Resilient



USACE SOUTHEAST FLORIDA PROJECTS



SURVEY OF USACE INITIATIVES

MIAMI-DADE | BROWARD | PALM BEACH COUNTIES (Not All Inclusive)

- SOUTH FLORIDA ECOSYSTEM RESTORATION (SFER) AND FLOOD RISK MANAGEMENT PROJECTS AND STUDIES
- 1) Herbert Hoover Dike Rehabilitation
- 2) Lake Okeechobee System Operating Manual (LOSOM)
- 3) Loxahatchee River Watershed Restoration Project (LRWRP)





- 4) Indian River Lagoon, South (IRL-S)
- 5) Central Everglades Planning Project (CEPP)
- 6) Everglades Agricultural Storage Reservoir (EAA)
- 7) Site 1 Impoundment
- 8) Broward County Water Preserve Areas (BCWPA)
- 9) C&SF Flood Resiliency (Section 216) Study (FRM)
- 10) C&SF Flood Resiliency (Section 203) Study (FRM)
- 11) Tamiami Trail Next Steps Phase 2
- 12) Biscayne Bay and Southeastern Everglades Ecosystem Restoration (BBSEER)
- 13) Biscayne Bay Coastal Wetlands (BBCW)
- 14) S-332 Pump Replacements
- 15) C-111 Spreader Canal Western Project
- 16) Melaleuca Eradication
- **Upcoming Projects**
- 1) Southern Everglades
- 2) C&SF Comprehensive Study (multi purpose: FRM, CSRM, AER, Recreation, water supply)

BUILDING COMMUNITY RESILIENCE | A COMPREHENSIVE AND COLLABORATIVE APPROACH



HOW DOES IT ALL FIT TOGETHER?

HEALTH &

SAFETY



HOW DOES IT ALL COME TOGETHER TO BUILD COMMUNITY RESILIENCE?

The conditions and operations of the Central & Southern Florida (C&SF) system, the benefits of the Comprehensive Everglades Restoration Plan (CERP), and changing

Collaboration is key to identify and assess impacts, connections, dependencies, relationships, causes, economies of scale, etc. – that are needed to more fully and adaptively plan, implement, integrate, and operate programs and projects for more resilient and sustainable communities in the long term, and in the face of climate change.

COMMUNITY

RESILIENCE

& QUALITY

OF LIFE

ECONOMY

EMPLOYMEN



An effective resilience-focused strategy requires a coordinated and integrated approach across all levels of the public and private sectors

- The problems related to changing conditions are uncertain, broad, and complex
- It is essential to survey and assess relationships among all public and private sector deliverables and capabilities at local, regional, state and federal levels to determine the most appropriate and effective packaging of programs, projects, and services to accomplish resilience and sustainability objectives

Workshops and Planning Charettes



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