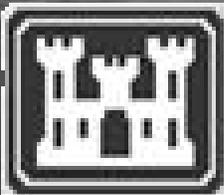


SOUTH FLORIDA RESTORATION PROGRAM

**Working Group Meeting
July 2001**

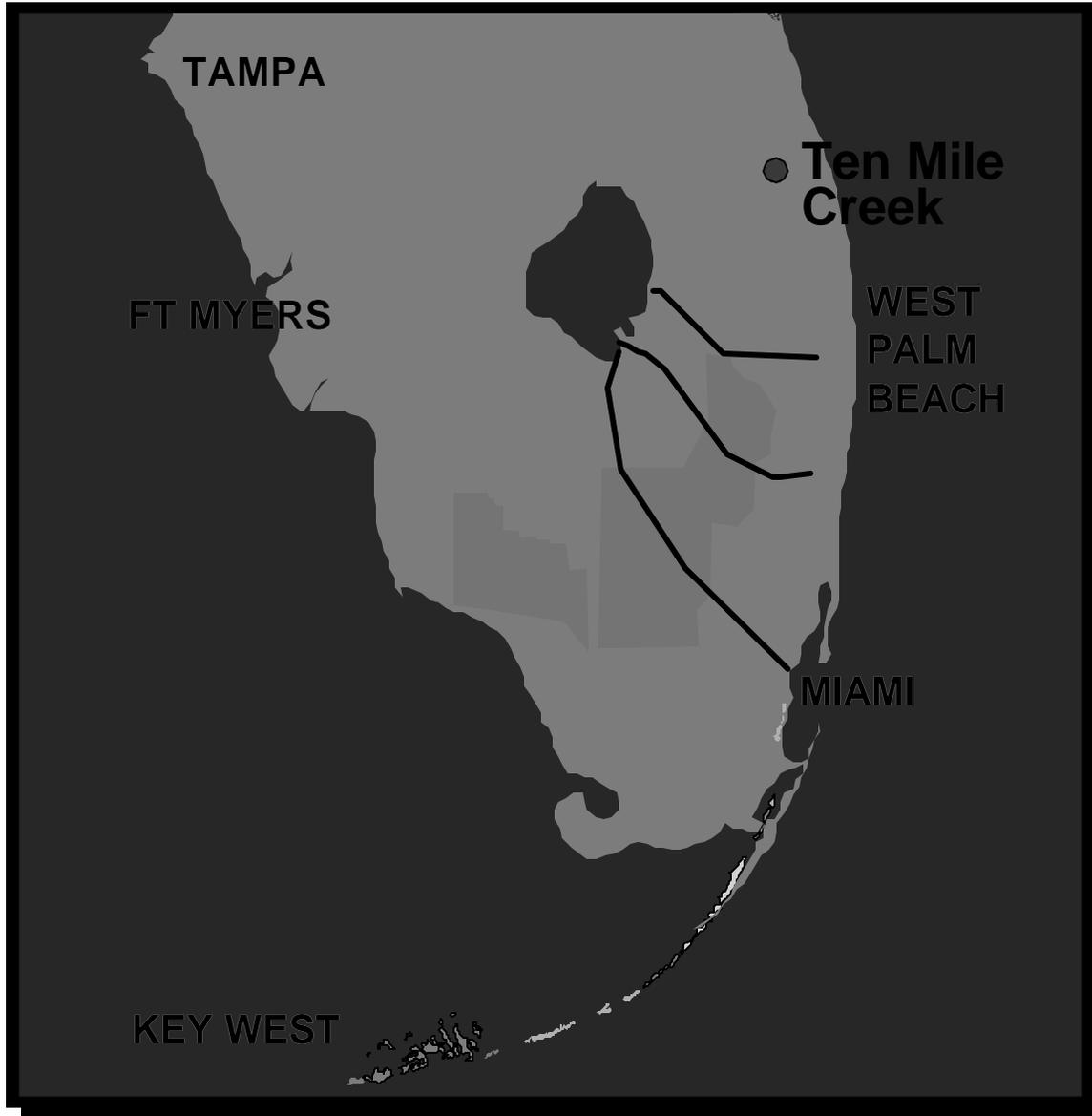


**Dennis Duke
Jacksonville District
U.S. Army Corps of Engineers**



U.S. Army Corps of Engineers
Jacksonville District

CRITICAL PROJECTS TEN MILE CREEK



PROJECT COSTS

PED	\$ 2,214,780
Real Estate	\$ 4,075,600
Construction	\$22,242,500

Total \$28,532,880

Federal \$14,266,440

Non-Fed \$14,266,440

COST SHARING: 50/50

SPONSOR: SFWMD

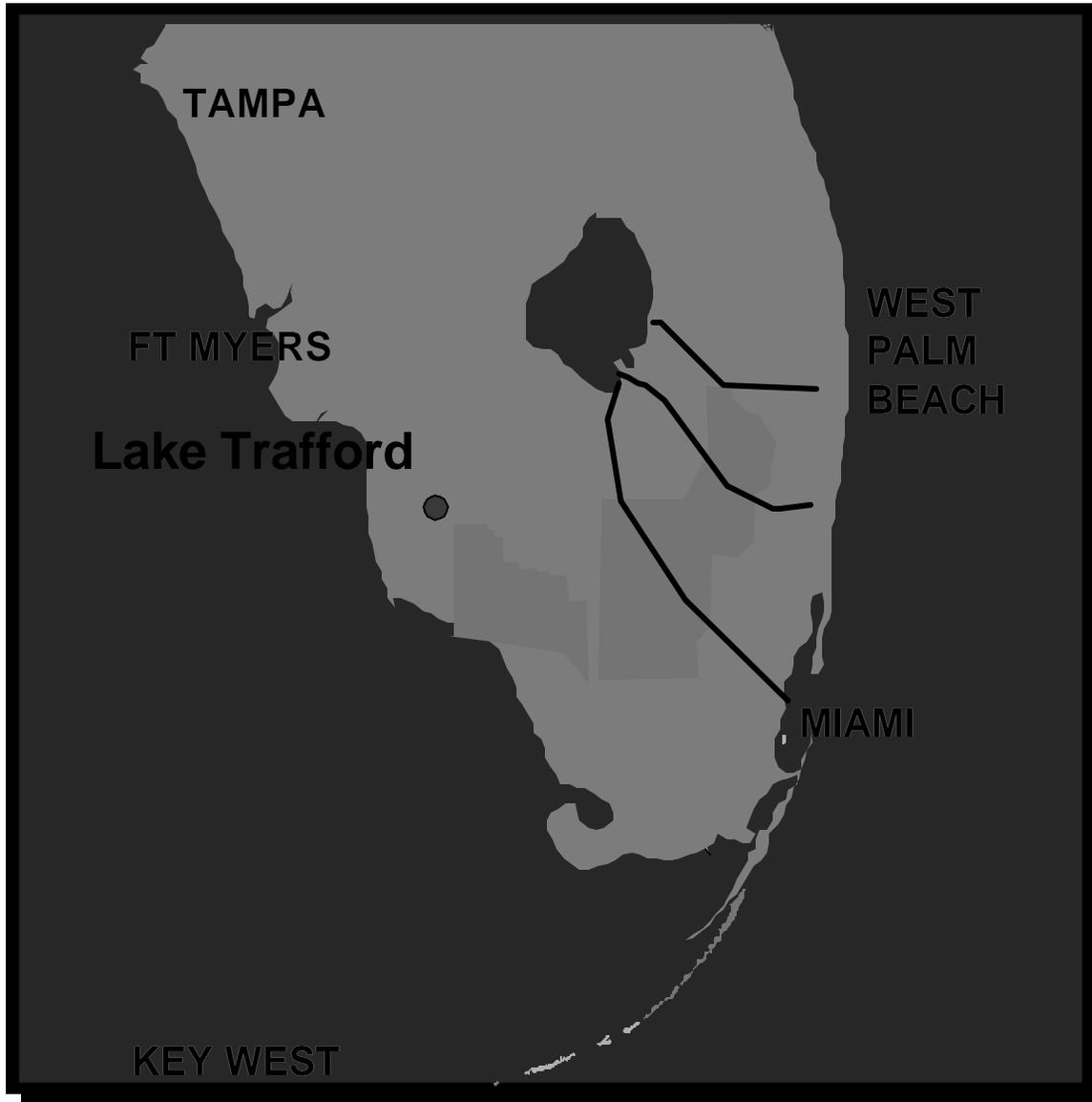
PURPOSE: Improve Water Quality

STATUS: Design peer review underway, complete project Dec 03



U.S. Army Corps of Engineers
Jacksonville District

CRITICAL PROJECTS LAKE TRAFFORD



PROJECT COSTS

PED	\$ 2,119,700
Real Estate	\$ 1,342,097
Construction	\$14,122,755

Total \$17,584,552

Federal	\$ 8,792,276
Non-Fed	\$ 8,792,276

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Improve lake water quality

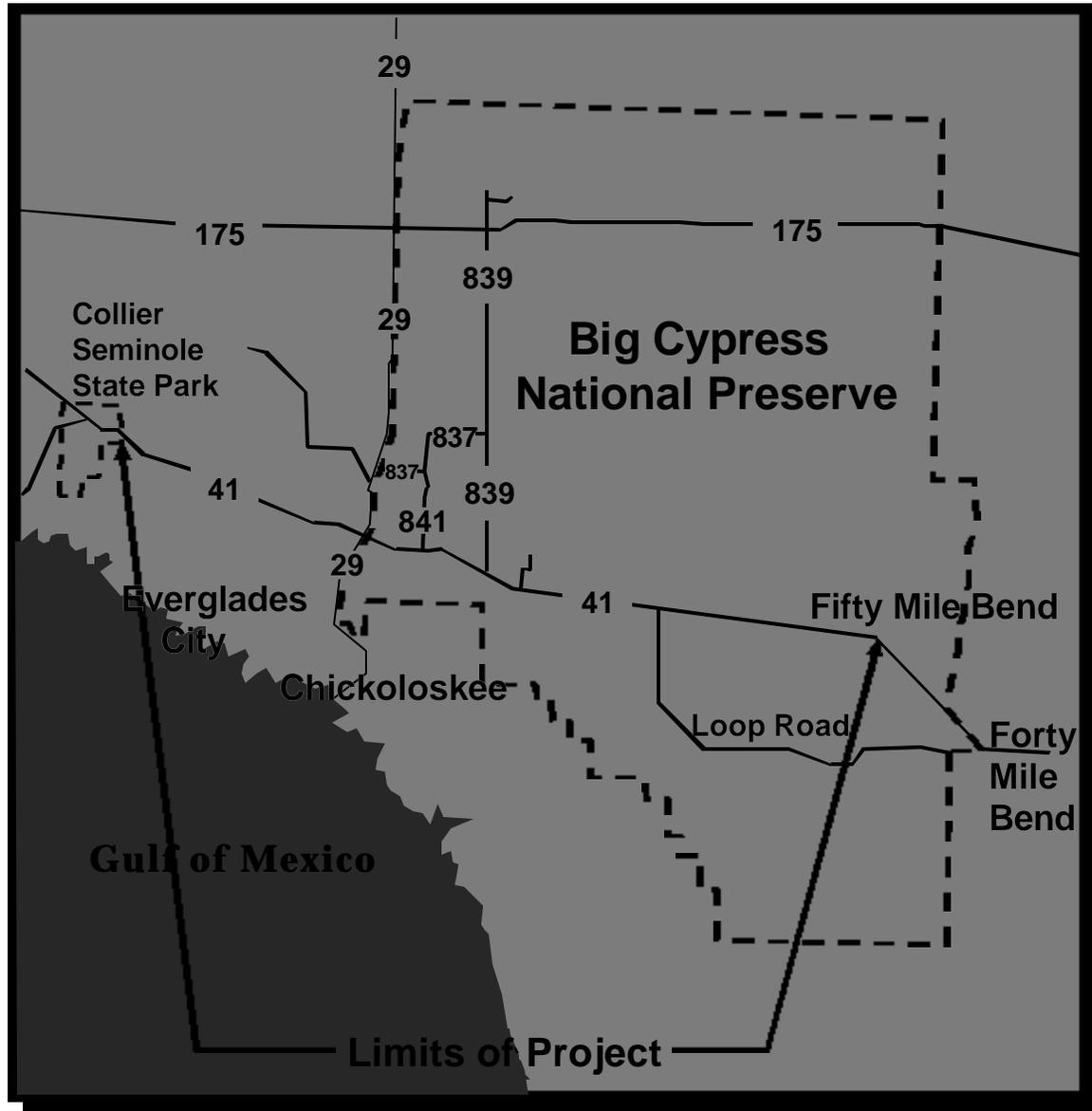
STATUS: Contract award in Oct, complete project Jan 05



U.S. Army Corps of Engineers
Jacksonville District

CRITICAL PROJECTS

TAMIAMI TRAIL CULVERTS



PROJECT COSTS

PED	\$ 2,309,220
Real Estate	\$ 0
Construction	\$ 5,368,902

Total \$ 7,678,122

Federal	\$ 3,839,061
Non-Fed	\$ 3,839,061

COST SHARING: 50/50

SPONSOR: SFWMD

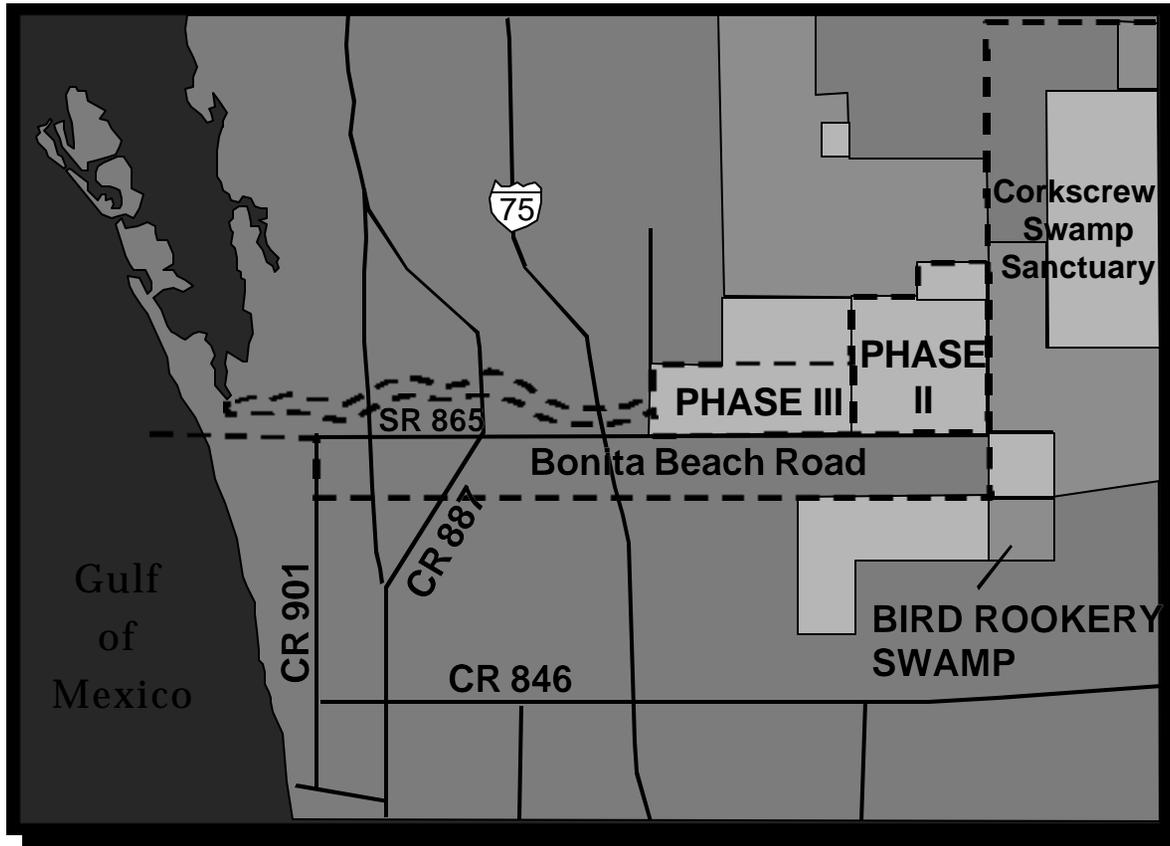
PURPOSE: Environmental Restoration

STATUS: P&S underway.
Complete project Sep 04



U.S. Army Corps of Engineers
Jacksonville District

CRITICAL PROJECTS SOUTHERN CREW



PROJECT COSTS

PED	\$ 224,318
Real Estate	\$ 8,470,000
Construction	\$ 3,403,000

Total \$ 12,097,318

Federal	\$ 6,048,659
Non-Fed	\$ 6,048,659

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Environmental Restoration, Water Quality, Flood Control

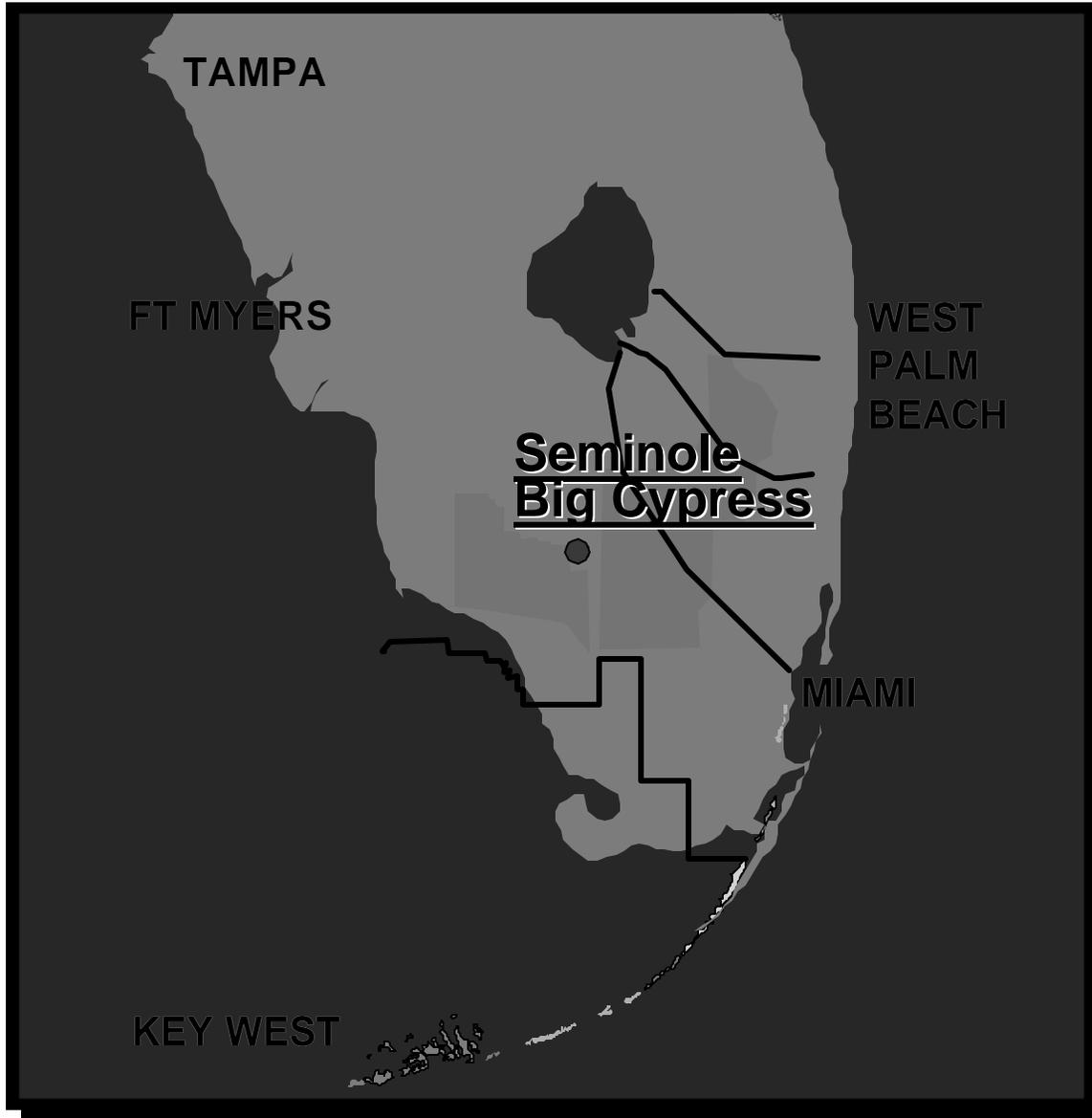
STATUS: Land Acquisition Underway, complete in Sep 03



U.S. Army Corps of Engineers
Jacksonville District

CRITICAL PROJECTS

SEMINOLE BIG CYPRESS



PROJECT COSTS

PED	\$ 6,457,304
Real Estate	\$ 3,743,000
Construction	\$ <u>34,056,696</u>
Total	\$ 44,257,000
Federal	\$ 22,128,500
Non-Fed	\$ 22,128,500

COST SHARING: 50/50

SPONSOR: Seminole Tribe of Florida

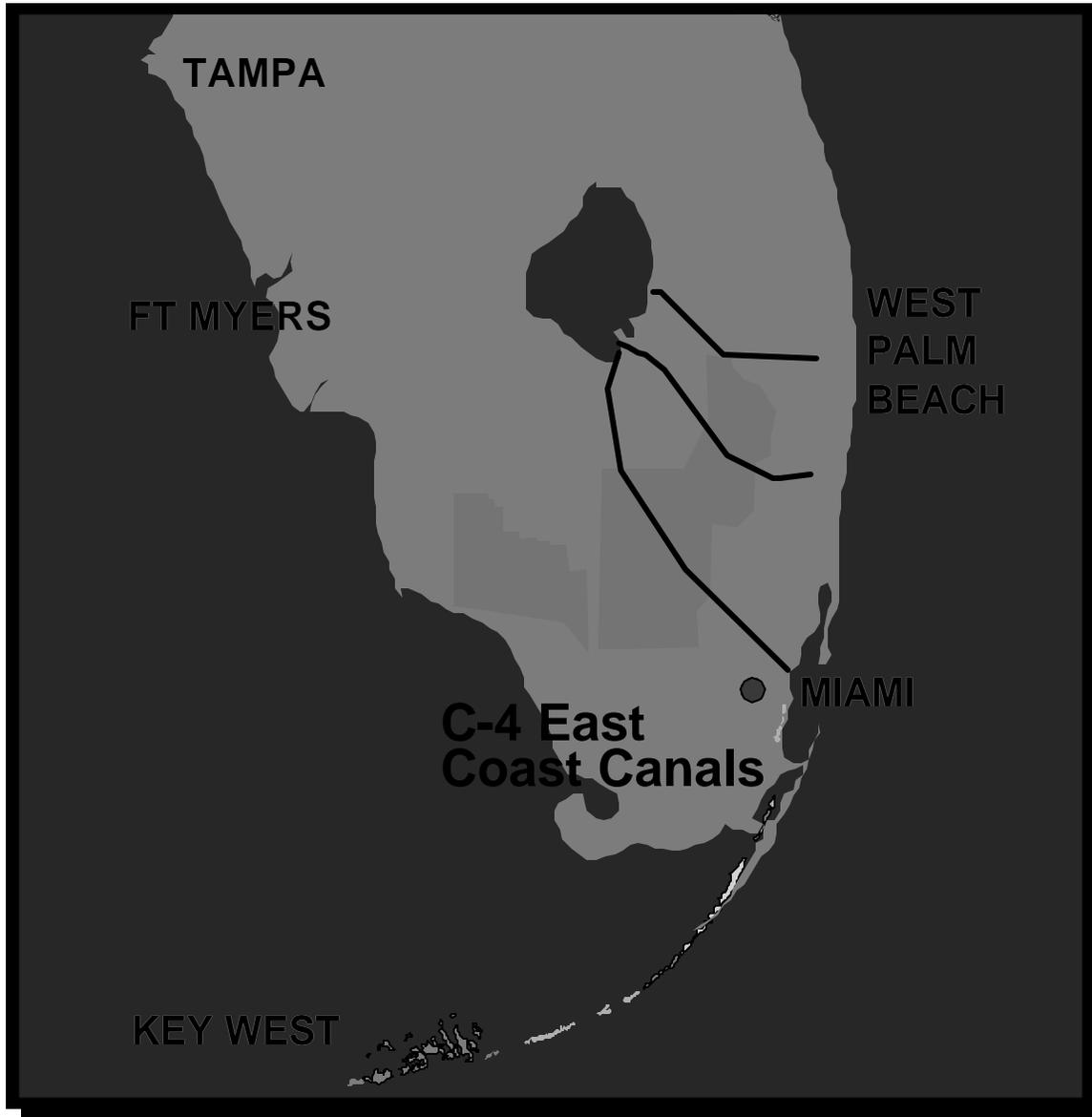
PURPOSE: Water quality and Environmental Restoration

STATUS: Design underway, project complete Apr 05



U.S. Army Corps of Engineers
Jacksonville District

CRITICAL PROJECTS EAST COAST CANAL STRUCTURE (C-4)



PROJECT COSTS

PED	\$	854,294
Real Estate	\$	000
Construction	\$	1,193,500
<hr/>		
Total	\$	2,047,794

Federal	\$	1,023,897
Non-Fed	\$	1,023,897

COST SHARING: 50/50

SPONSOR: SFWMD

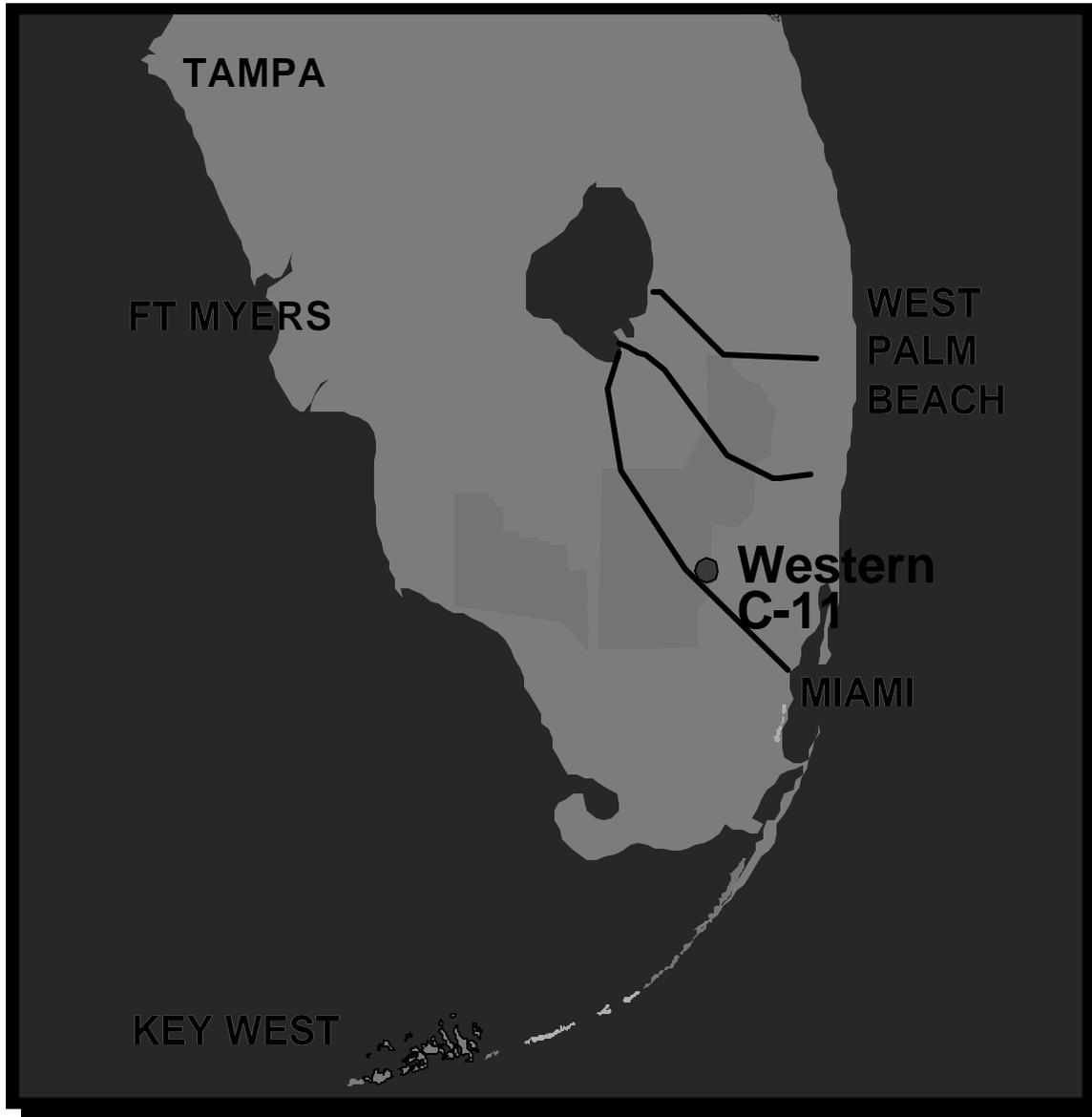
PURPOSE: Environmental Restoration, Water Supply and Water Quality

STATUS: Under Construction, complete Jan 02



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Jacksonville District

CRITICAL PROJECTS WESTERN C-11 WQ TREATMENT



PROJECT COSTS

PED	\$	1,889,438
Real Estate	\$	0
Construction	\$	<u>9,765,000</u>

Total \$ 11,654,438

Federal \$ 5,827,219

Non-Fed \$ 5,827,219

COST SHARING: 50/50

SPONSOR: SFWMD

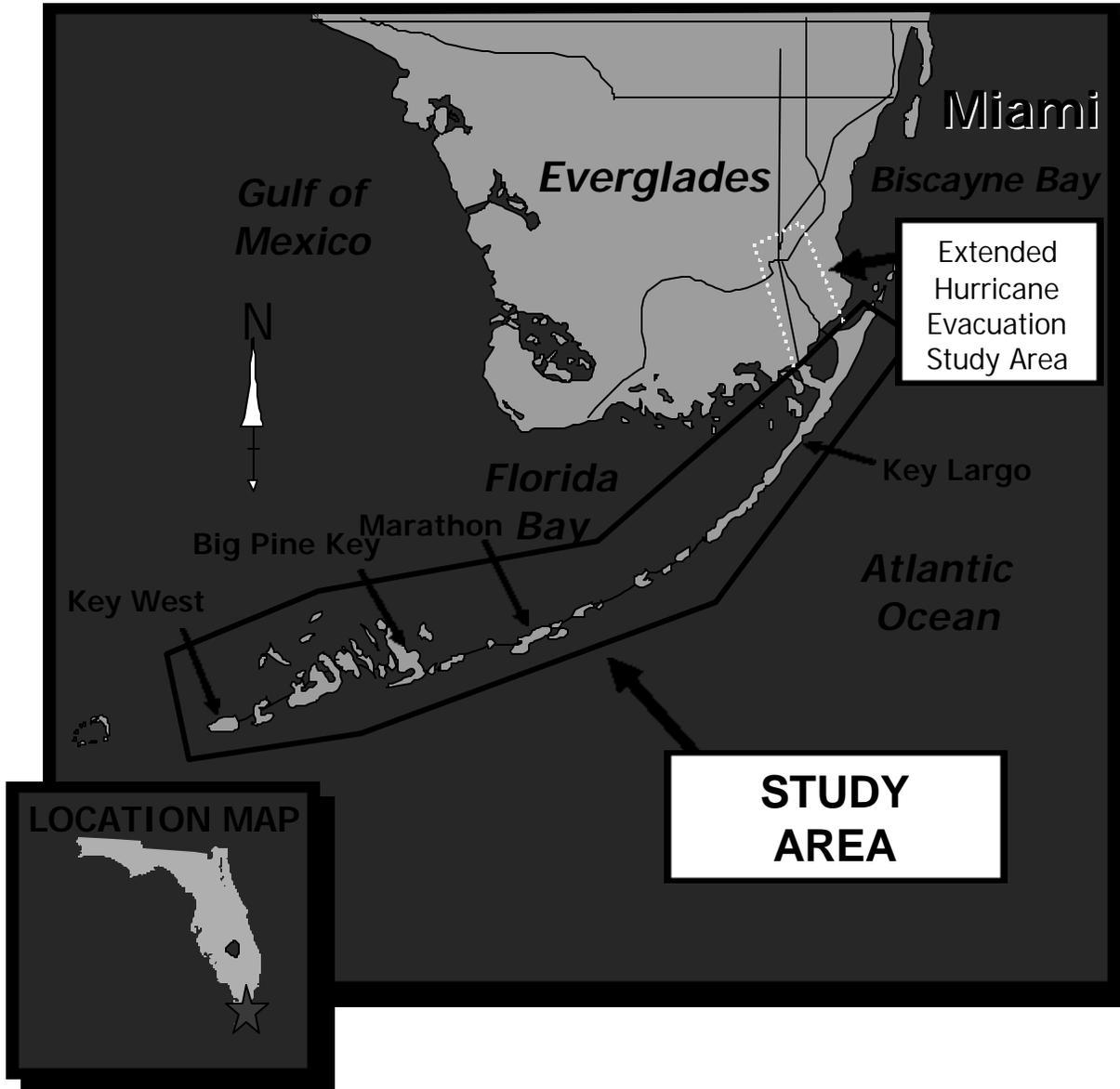
PURPOSE: Environmental
Restoration & Water Quality

STATUS: Phase 1 (PS S-9A)
Under Construction. Phase 2
(s380) Under Design, complete
project Oct 02



U.S. Army Corps of Engineers
Jacksonville District

CRITICAL PROJECTS KEYS CARRYING CAPACITY STUDY



STUDY COSTS

STUDY	\$ 6,000,000
Federal	\$ 3,000,000
Non-Fed	\$ 3,000,000

COST SHARING: 50/50

SPONSOR: DCA

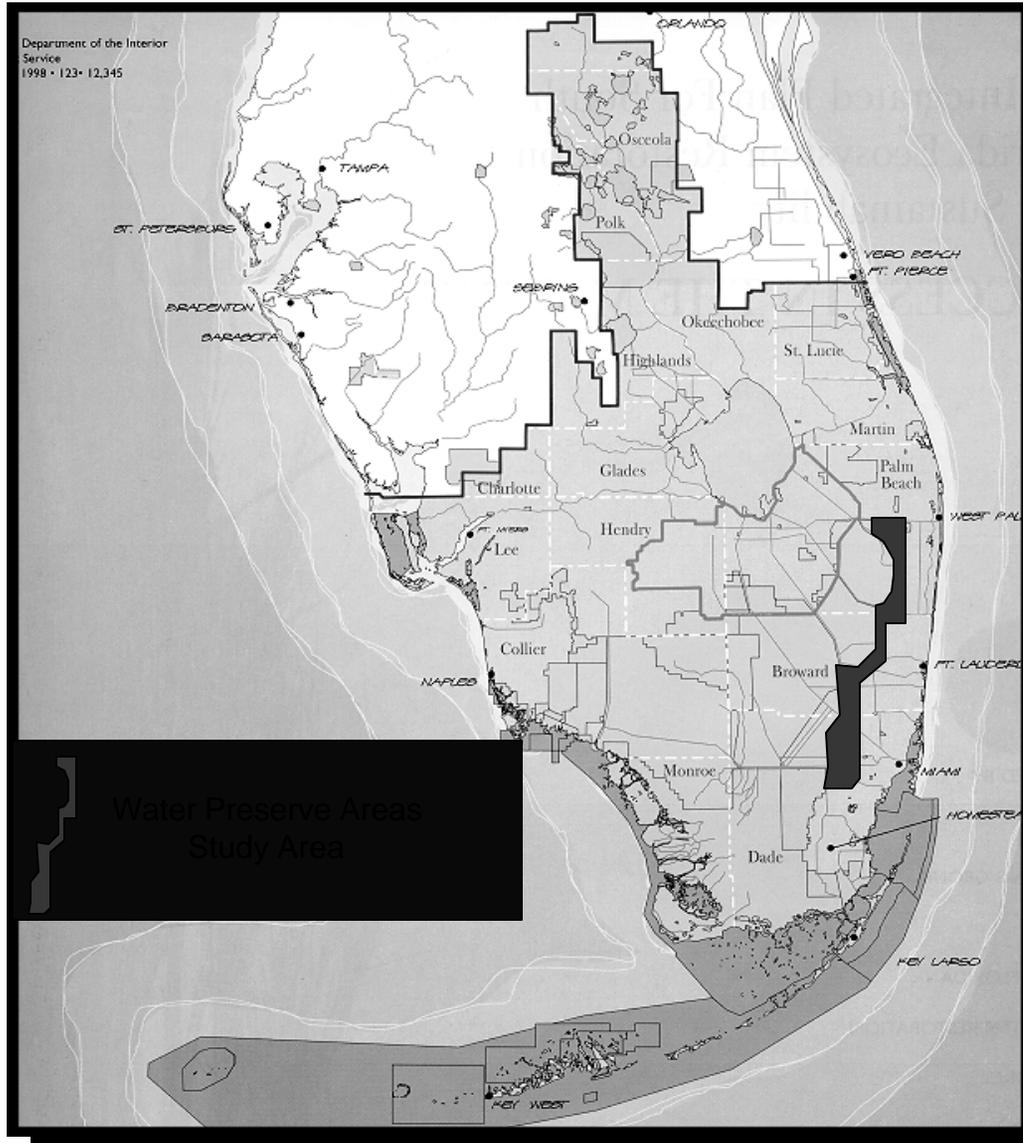
PURPOSE: Carrying Capacity Analysis Model - Impacts of additional land development.

STATUS: Underway, complete Jun 02



U.S. Army Corps of Engineers
Jacksonville District

C&SF - WATER PRESERVE AREAS FEASIBILITY STUDY



STUDY COSTS

STUDY	\$ 5,836,000
Federal	\$ 2,918,000
Non-Fed	\$ 2,918,000

Cost Sharing: 50/50

SPONSOR: SFWMD

PURPOSE: To provide regional water storage for all users.

Ecosystem restoration benefits include:

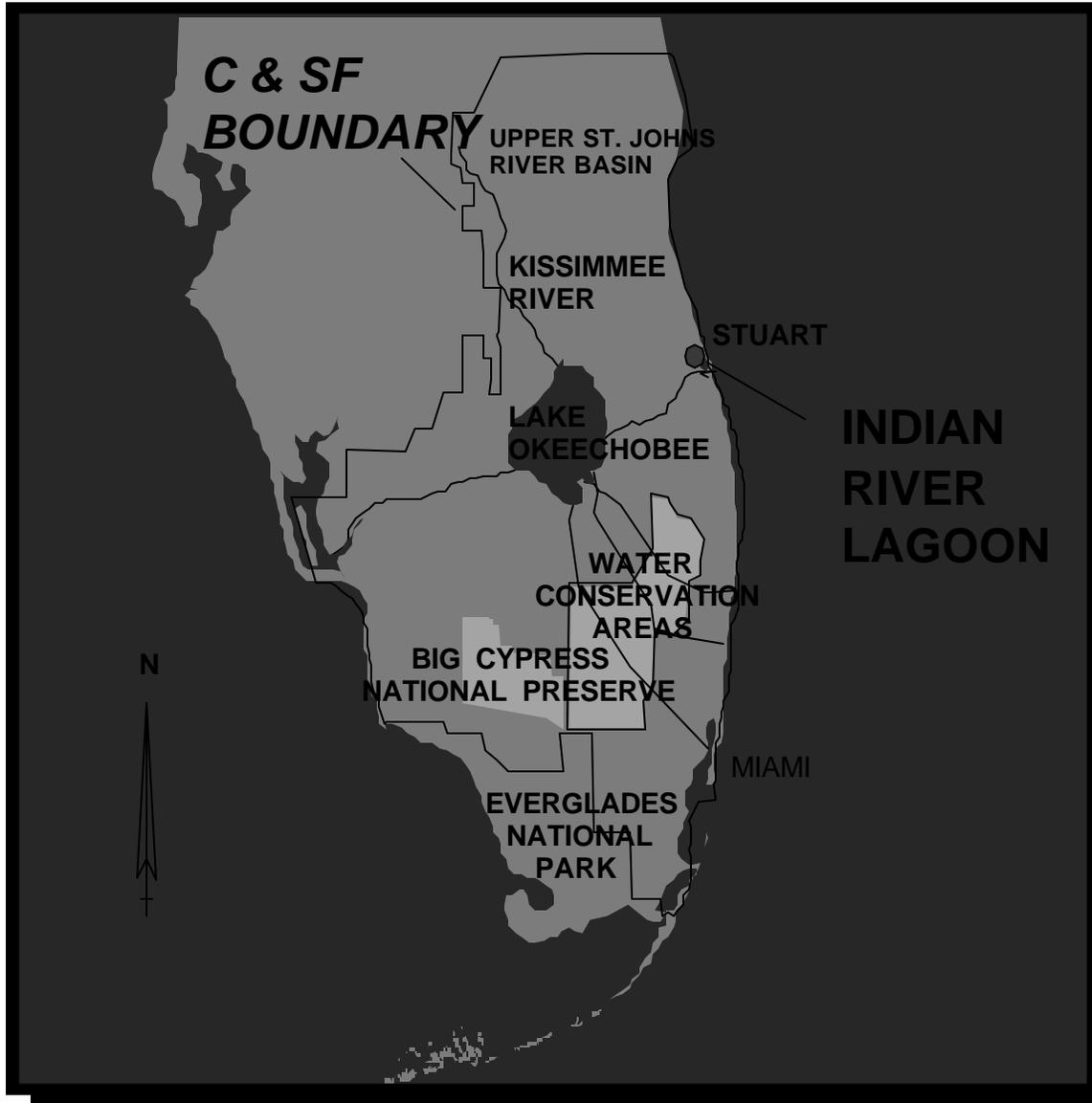
- Improved water supply for restoring hydro patterns
- Improved water quality, and
- Preservation of wetland habitat.

STATUS: Feasibility study underway, to submit for WRDA 02



U.S. Army Corps of Engineers
Jacksonville District

INDIAN RIVER LAGOON RESTORATION FEASIBILITY STUDY



STUDY COSTS

STUDY \$ 6,149,500

Federal \$ 3,074,750

Non-Fed \$ 3,074,750

COST SHARING: 50/50

SPONSOR: SFWMD

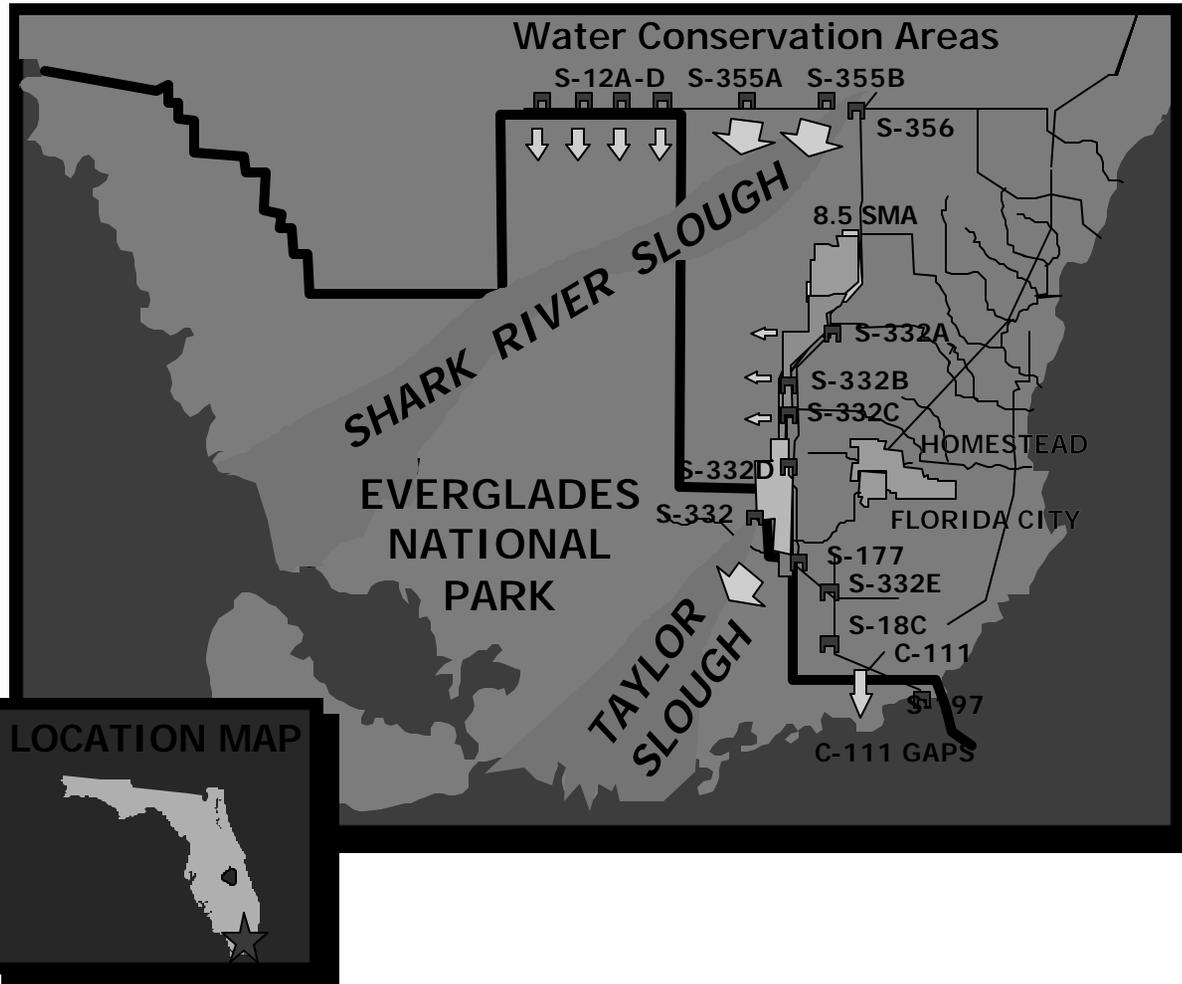
PURPOSE: Investigate Water Resource problems and needs within C&SF. Project canal watersheds in Martin and St. Lucie counties

STATUS: Final report & EIS scheduled for Nov 2001, for WRDA 02.



U.S. Army Corps of Engineers
Jacksonville District

MODIFIED WATER DELIVERIES TO EVERGLADES NATIONAL PARK



PROJECT COSTS

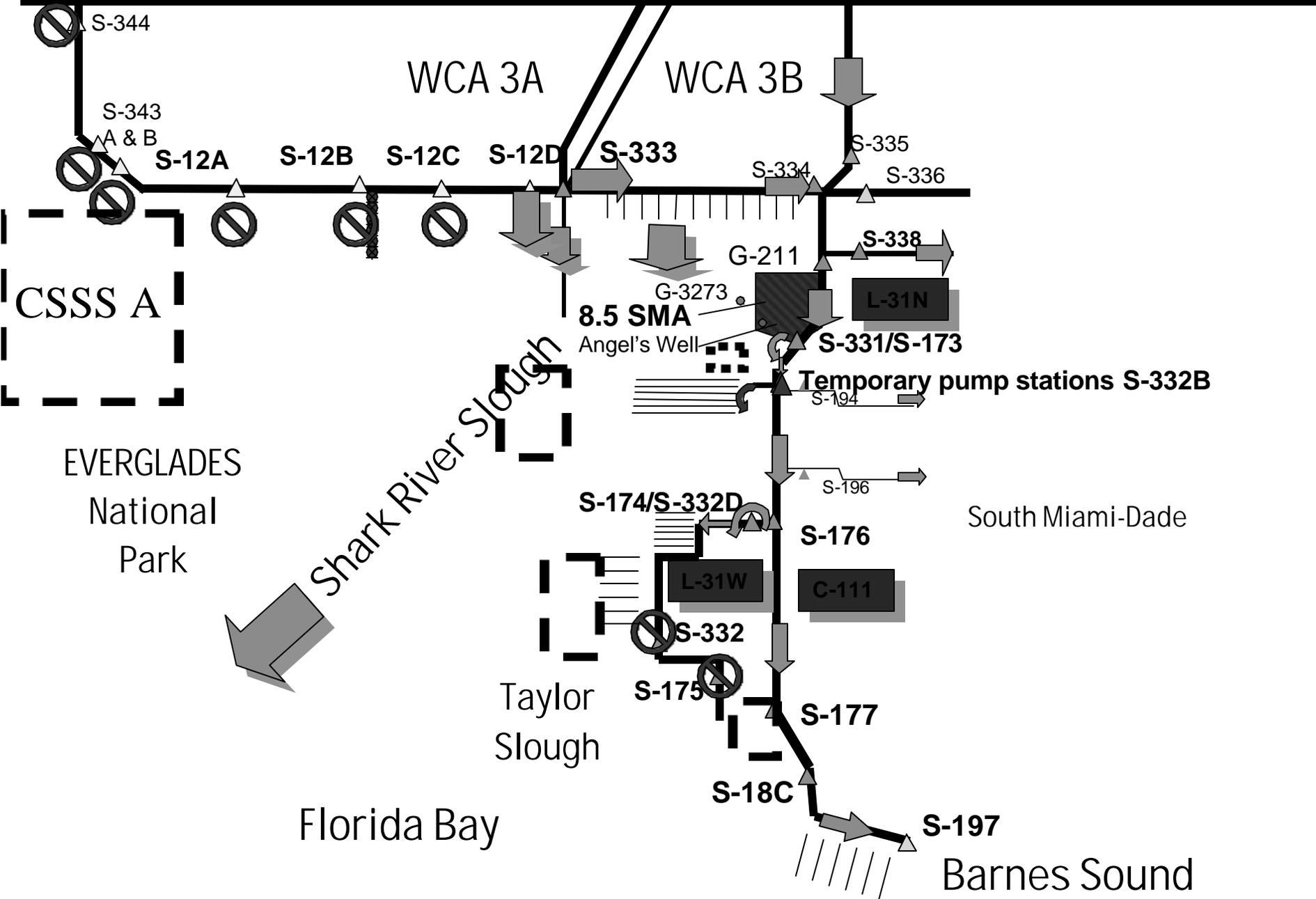
PED/Monitoring	\$ 51,491,000
Real Estate	\$ 76,450,000
Construction	<u>\$ 70,277,000</u>
Total	\$ 198,218,000
FED	\$ 198,218,000

COST SHARING: 100% DOI

PURPOSE: Environmental Restoration

STATUS: Multiple phases underway in Planning, Design & Construction with partial construction complete.

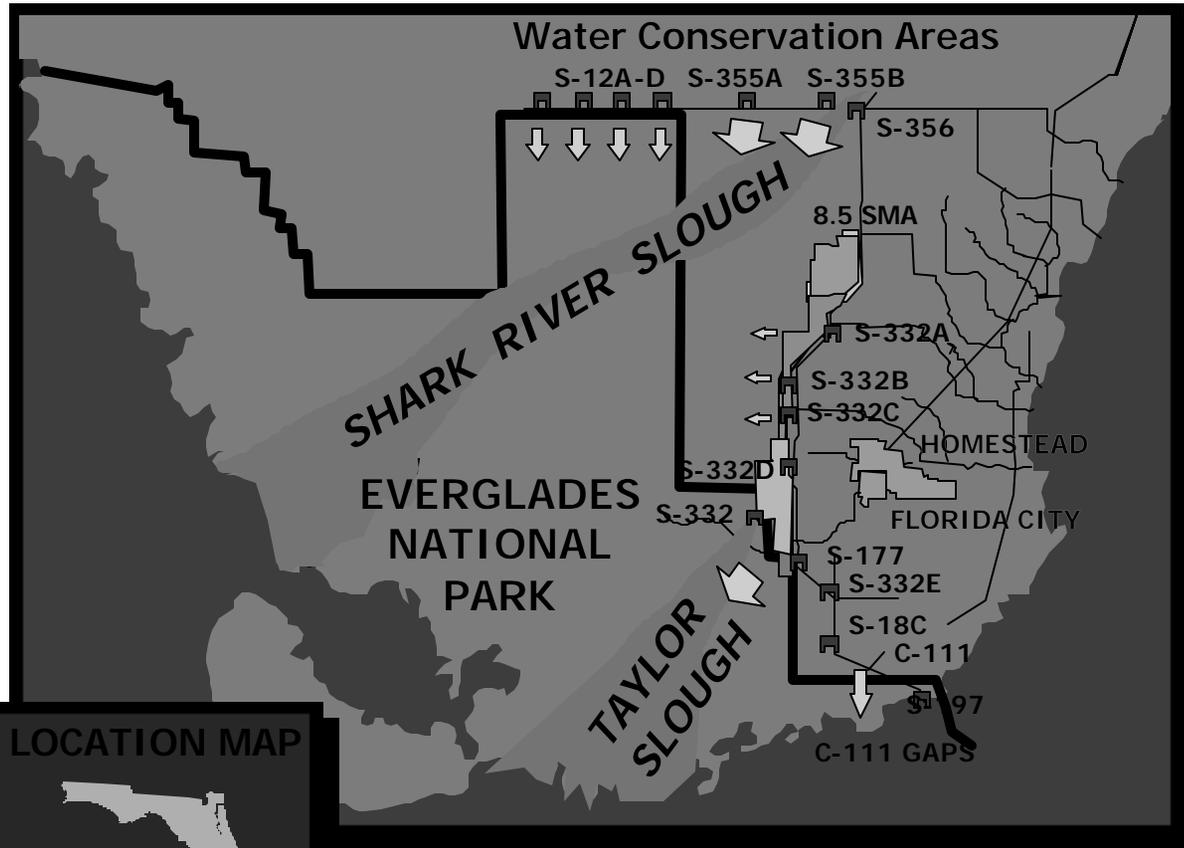
ISOP - 2001





U.S. Army Corps of Engineers
Jacksonville District

CENTRAL AND SOUTHERN FLORIDA PROJECT SOUTH DADE COUNTY (C-111)



PROJECT COSTS

PED	\$ 48,098,000
Real Estate	\$116,452,000
Construction	<u>\$118,450,000</u>
Total	\$283,000,000
Federal	\$141,500,000
Non-Fed	\$141,500,000

COST SHARING: 50/50

SPONSOR: SFWMD

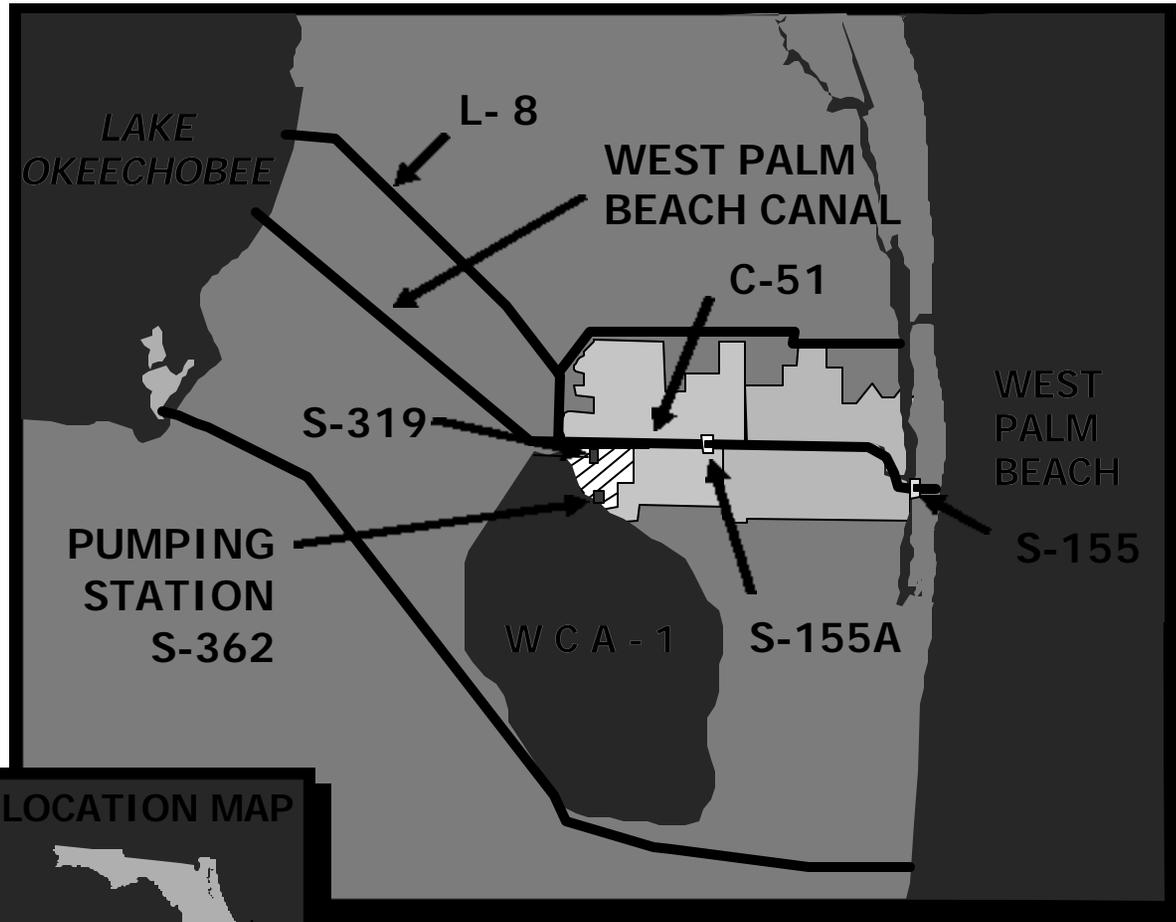
PURPOSE: Environmental Restoration, Flood Control, and Water Supply

STATUS: GRR being revised for final submission next year.



U.S. Army Corps of Engineers
Jacksonville District

CENTRAL AND SOUTHERN FLORIDA PROJECT WEST PALM BEACH CANAL (C-51) / STA 1E



PROJECT COSTS

PED	\$ 22,482,000
Real Estate	\$ 60,440,000
Construction	\$192,578,000
Total	\$275,500,000
Federal	\$249,700,000
Non-Fed	\$ 25,800,000

COST SHARING: 91/9

SPONSOR: SFWMD

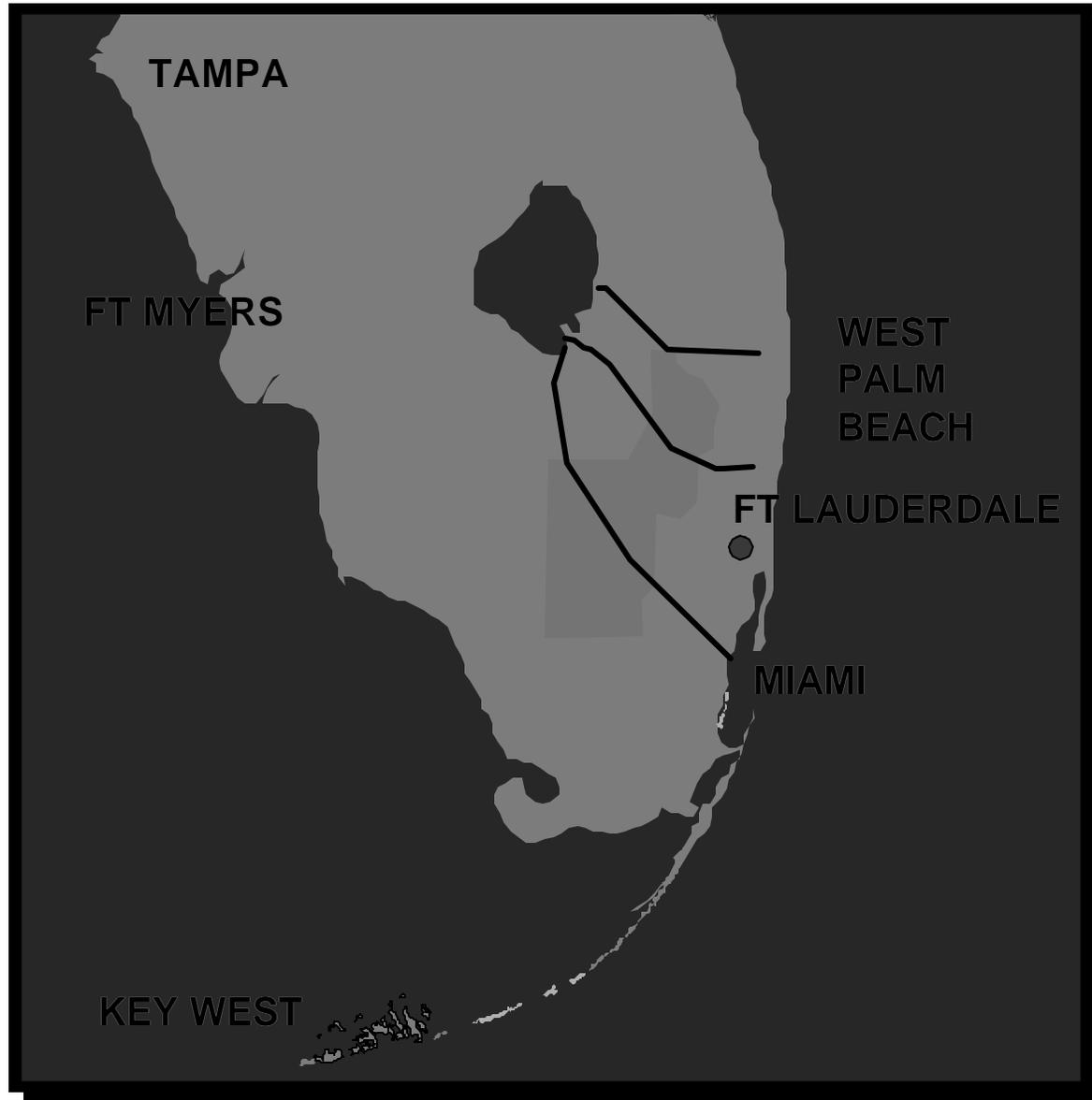
PURPOSE: Flood Control,
Water Quality, Water Supply

STATUS: Under Construction



U.S. Army Corps of Engineers
Jacksonville District

MELALEUCA QUARANTINE FACILITY



PROJECT COSTS

PED	\$ 500,000
Real Estate	\$1,000,000
Construction	\$6,000,000

Total	\$7,500,000
Federal	\$7,500,000
Non-Fed	\$0

COST SHARING: 100%
Federal

SPONSOR: DOI Funded

PURPOSE: Environmental
Restoration

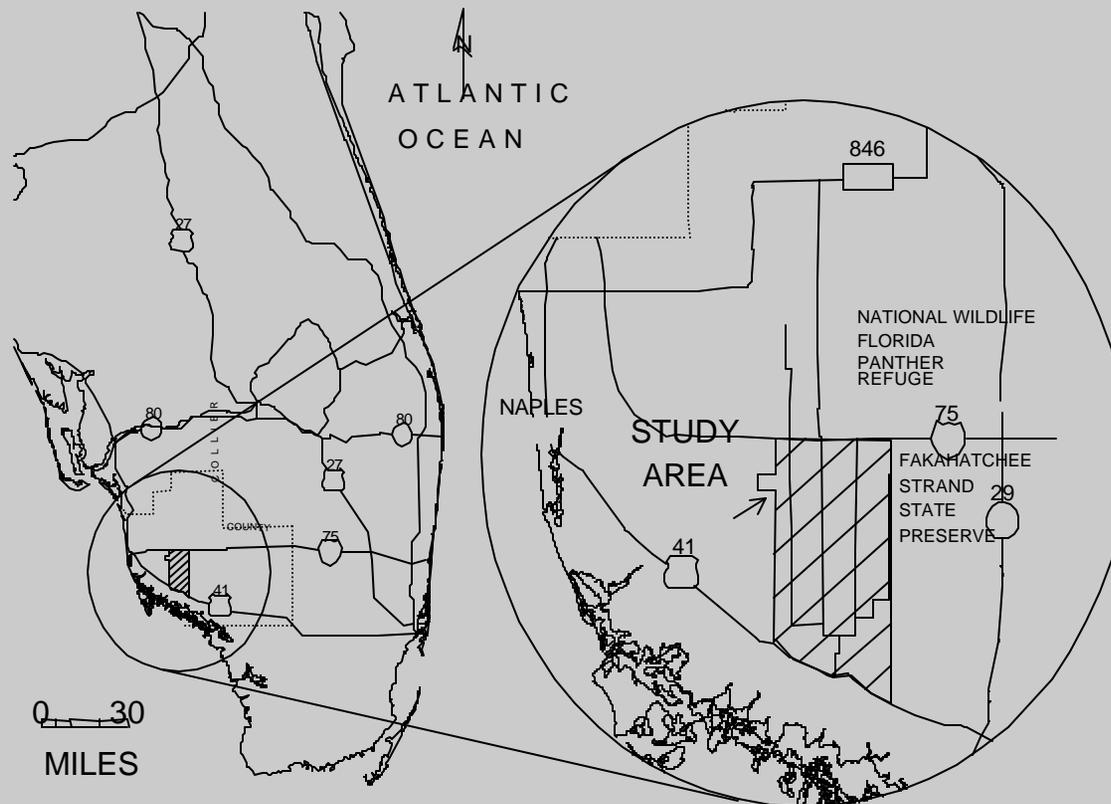
STATUS: Contract Advertised,
award in Aug 01.



U.S. Army Corps of Engineers
Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN SOUTHERN GOLDEN GATE ESTATES

Project Area



PROJECT COSTS

PED	\$2,410,000
Real Estate	\$125,000,000
Construction	\$13,140,000
<hr/>	
Total	\$140,550,000

Federal TBD

Non-Fed TBD

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Environmental Restoration, Water Supply, and Water Quality

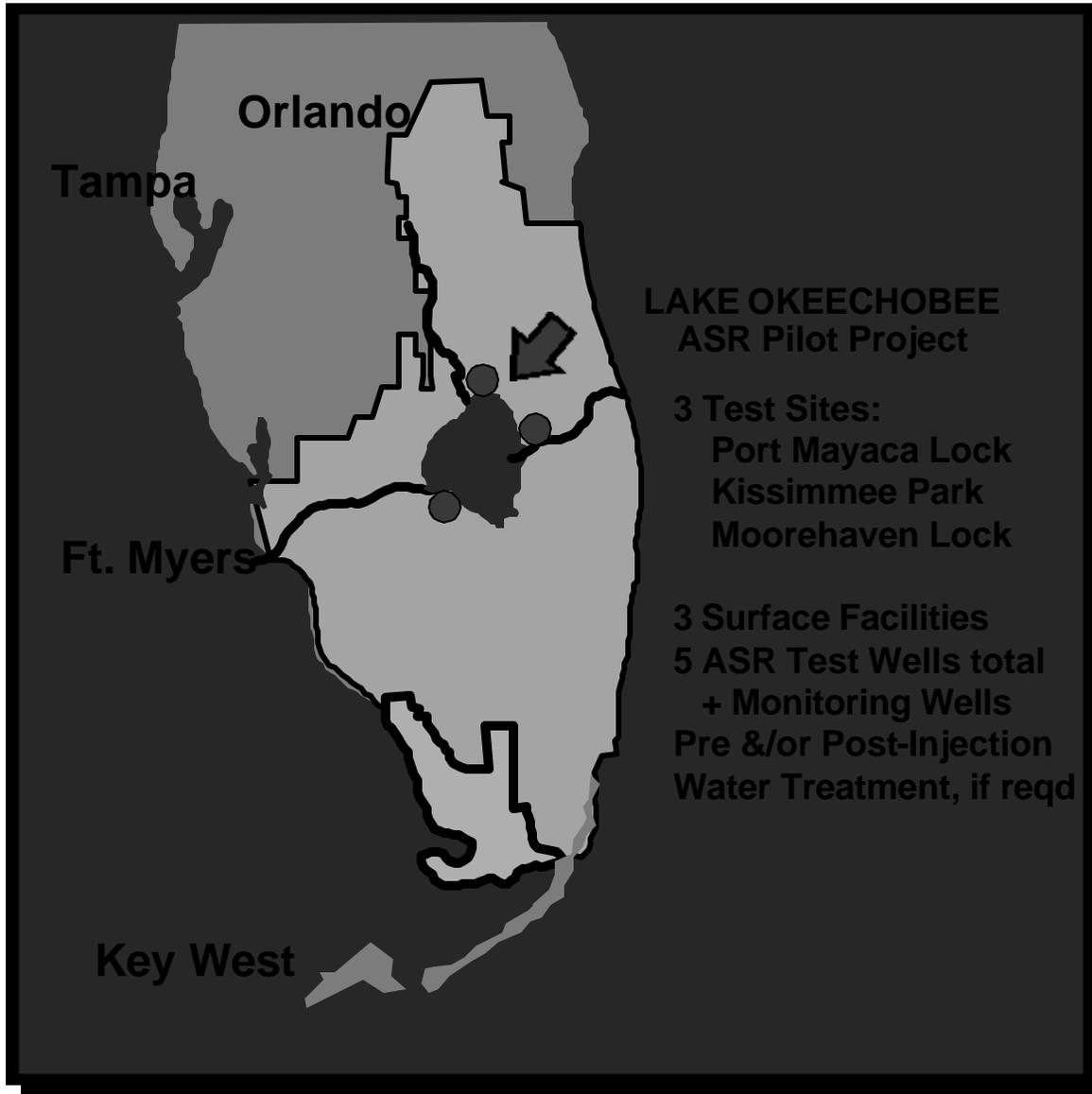
STATUS: Report preparation underway for WRDA 2002



U.S. Army Corps of Engineers
Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN

LAKE OKEECHOBEE ASR PILOT



PROJECT COSTS

PED	\$ 3,000,000
Real Estate	\$ 0
Construction	\$ 16,000,000

Total	\$ 19,000,000
Federal	TBD
Non-Fed	TBD

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Address ASR local area technical uncertainties.

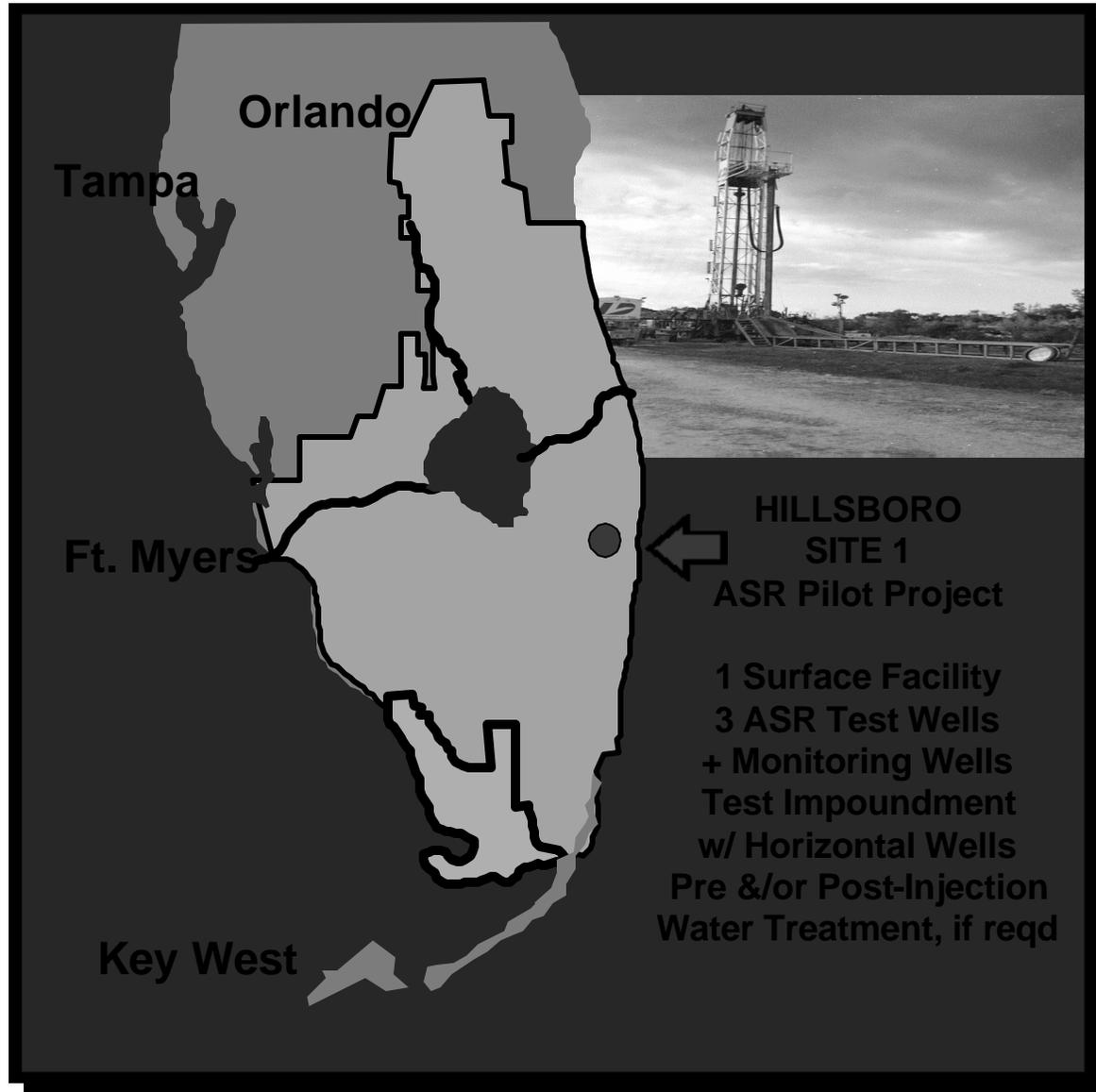
STATUS: Authorized WRDA99 with Hillsboro Site 1 ASR Pilot. PMP approved, Pilot Project Design Report started



U.S. Army Corps of Engineers
Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN

HILLSBORO SITE 1 ASR PILOT



PROJECT COSTS

PED	\$ 900,000
Real Estate	\$ 0
Construction	\$ 7,100,000

Total	\$ 8,000,000
Federal	TBD
Non-Fed	TBD

COST SHARING: 50/50

SPONSOR: SFWMD

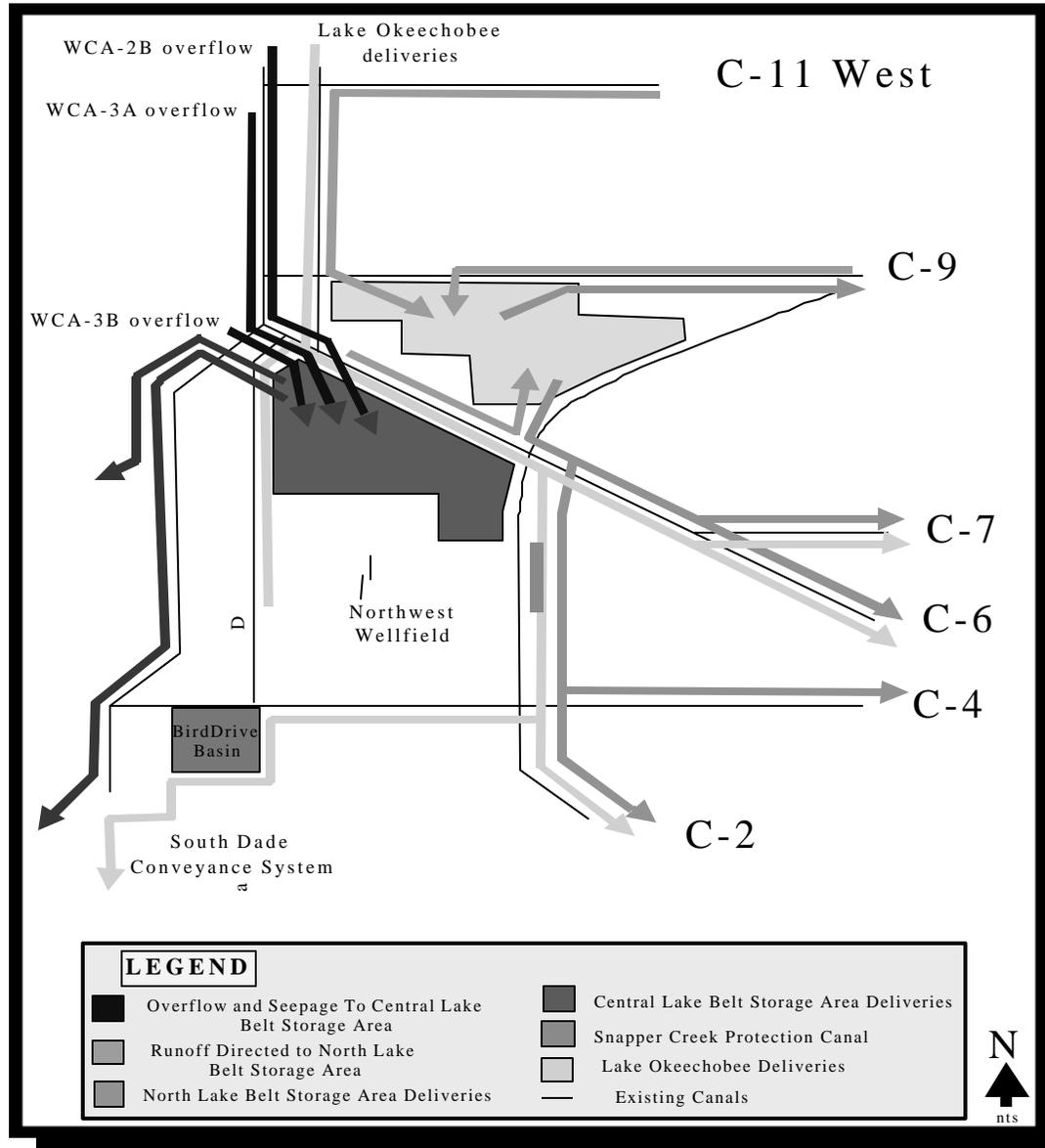
PURPOSE: Address ASR local area technical uncertainties.

STATUS: Authorized WRDA99 with Lake Okee. ASR Pilot. PMP approved. PPDR started.



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Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN LAKEBELT TECHNOLOGY PILOT



PROJECT COSTS

PED	\$ 3,600,000
Real Estate	\$ 0
Construction	<u>\$ 19,400,000</u>
Total	\$ 23,000,000
Federal	TBD
Non-Fed	TBD

COST SHARING: 50/50

SPONSORS: SFWMD

PURPOSE: Environmental Restoration Test technology

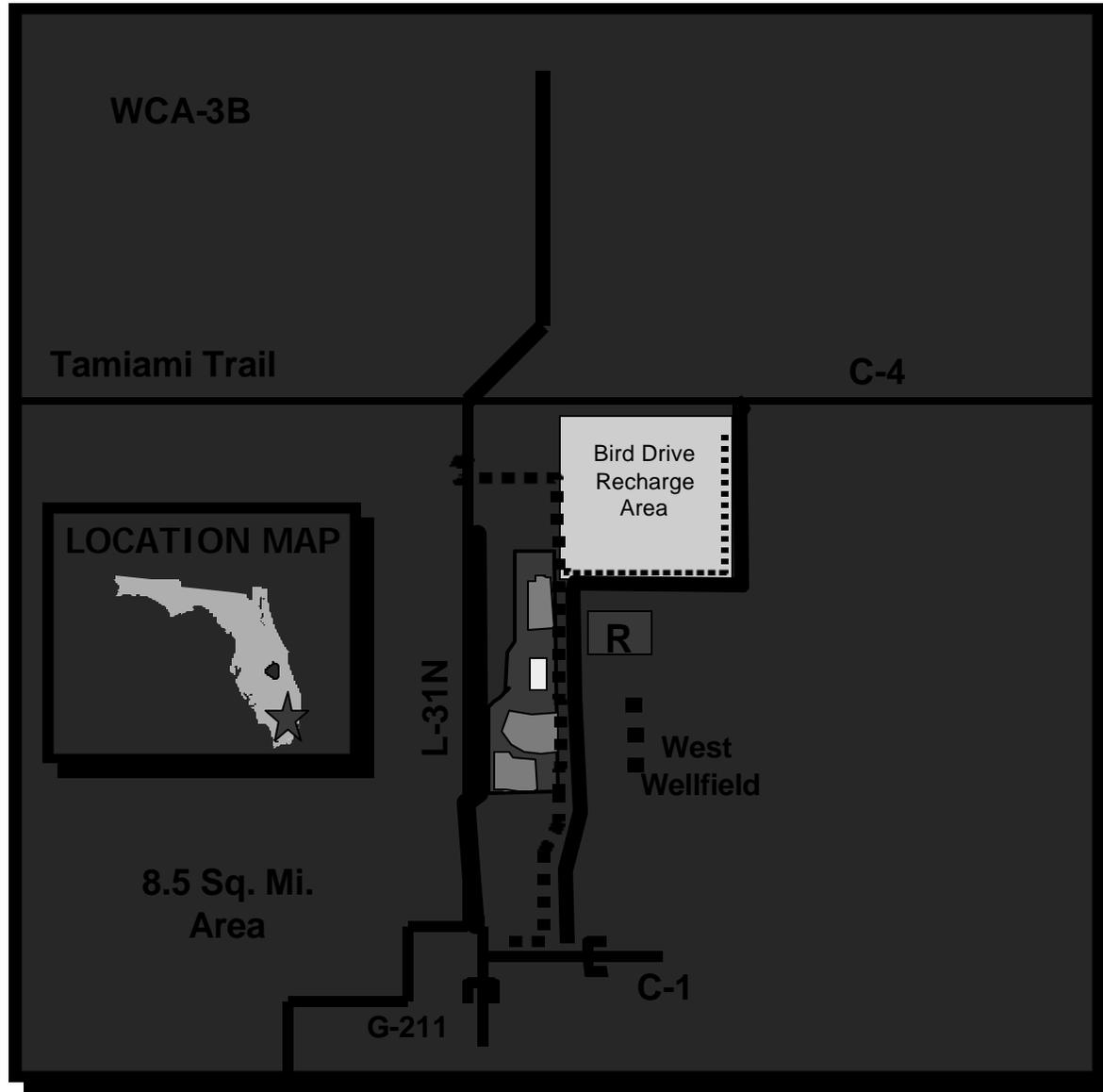
STATUS: PMP underway, complete Sep 01



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COMPREHENSIVE EVERGLADES RESTORATION PLAN

L-31N SEEPAGE MANAGEMENT PILOT



PROJECT COSTS

PED	\$	500,000
Real Estate	\$	0
Construction	\$	9,500,000

Total	\$	10,000,000
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Federal	TBD
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Non-Fed	TBD
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COST SHARING: 50/50

SPONSOR: SFWMD

**PURPOSE: Water Supply,
Water Quality**

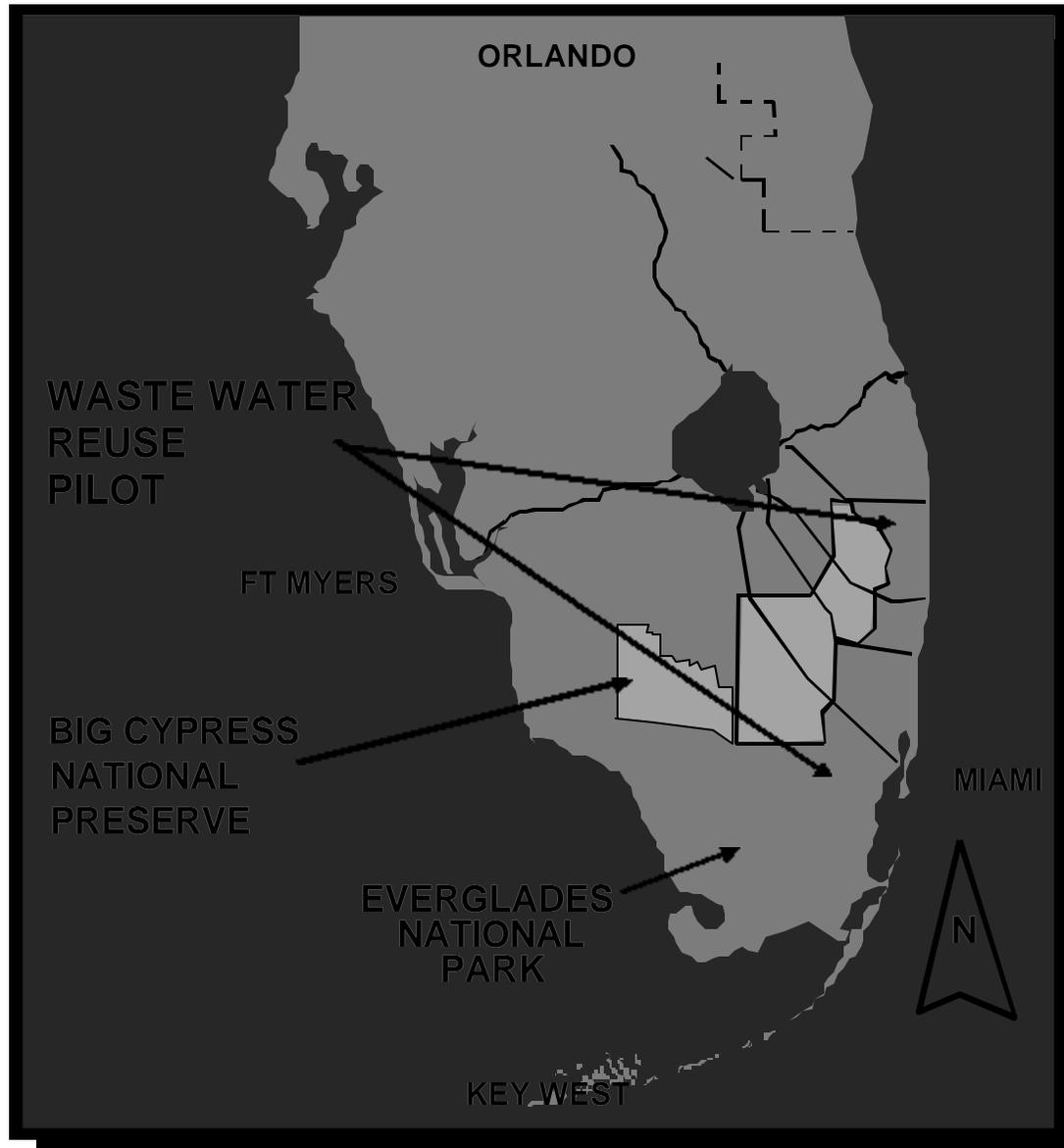
**STATUS: PMP Underway,
complete Sep 01**



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Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN

REUSE TECHNOLOGY PILOT



PROJECT COSTS

PED	\$ 5,600,000
Real Estate	\$ 1,600,000
Construction	<u>\$ 22,800,000</u>
Total	\$ 30,000,000

Federal TBD

Non-Fed TBD

COST SHARING: 50/50

SPONSORS: SFWMD

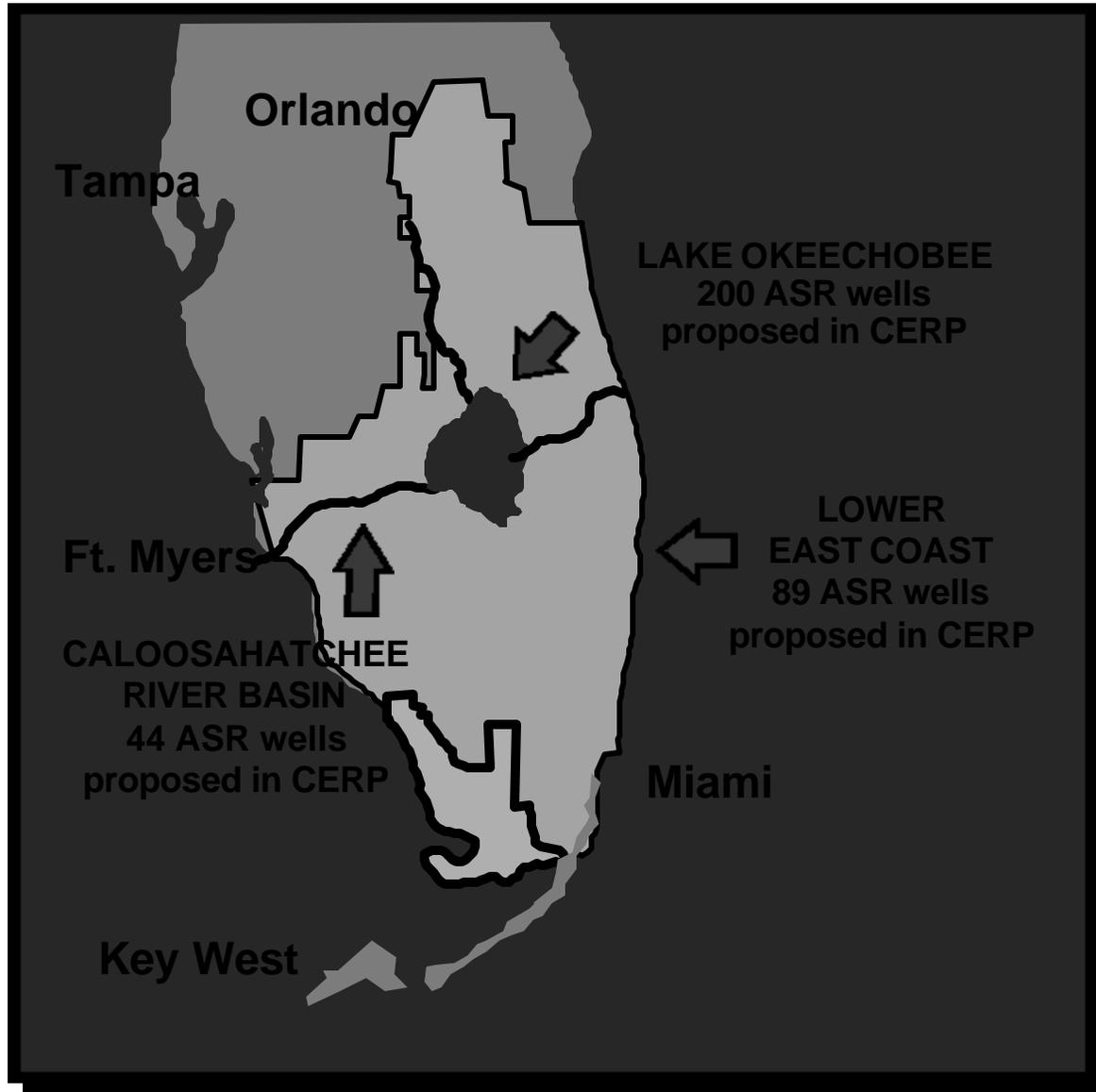
PURPOSE: Environmental Restoration, Water Quality, & Technology Assessment

STATUS: Preparing PMP, complete Sep 01



U.S. Army Corps of Engineers
Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN REGIONAL ASR STUDY



PROJECT COSTS

PED	\$84,569,000
Real Estate	\$7,515,000
Constr.	\$1,435,127,000

Total	\$1,527,211,000
Federal	\$ TBD
Non-Fed	\$ TBD

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Water storage.
Regional Study to address
uncertainties.

STATUS: Regional study PMP
under development.



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Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN LAKE OKEECHOBEE WATERSHED PROJECT



PROJECT COSTS

PED	\$ 15,087,000
Real Estate	\$234,768,000
Construction	\$205,873,000

Total ~~-\$455,728,000~~

Federal TBD

Non-Fed TBD

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Project has Four Components to reduce nutrient loading to Lake Okeechobee and to detain water during wet periods and release during dry periods.

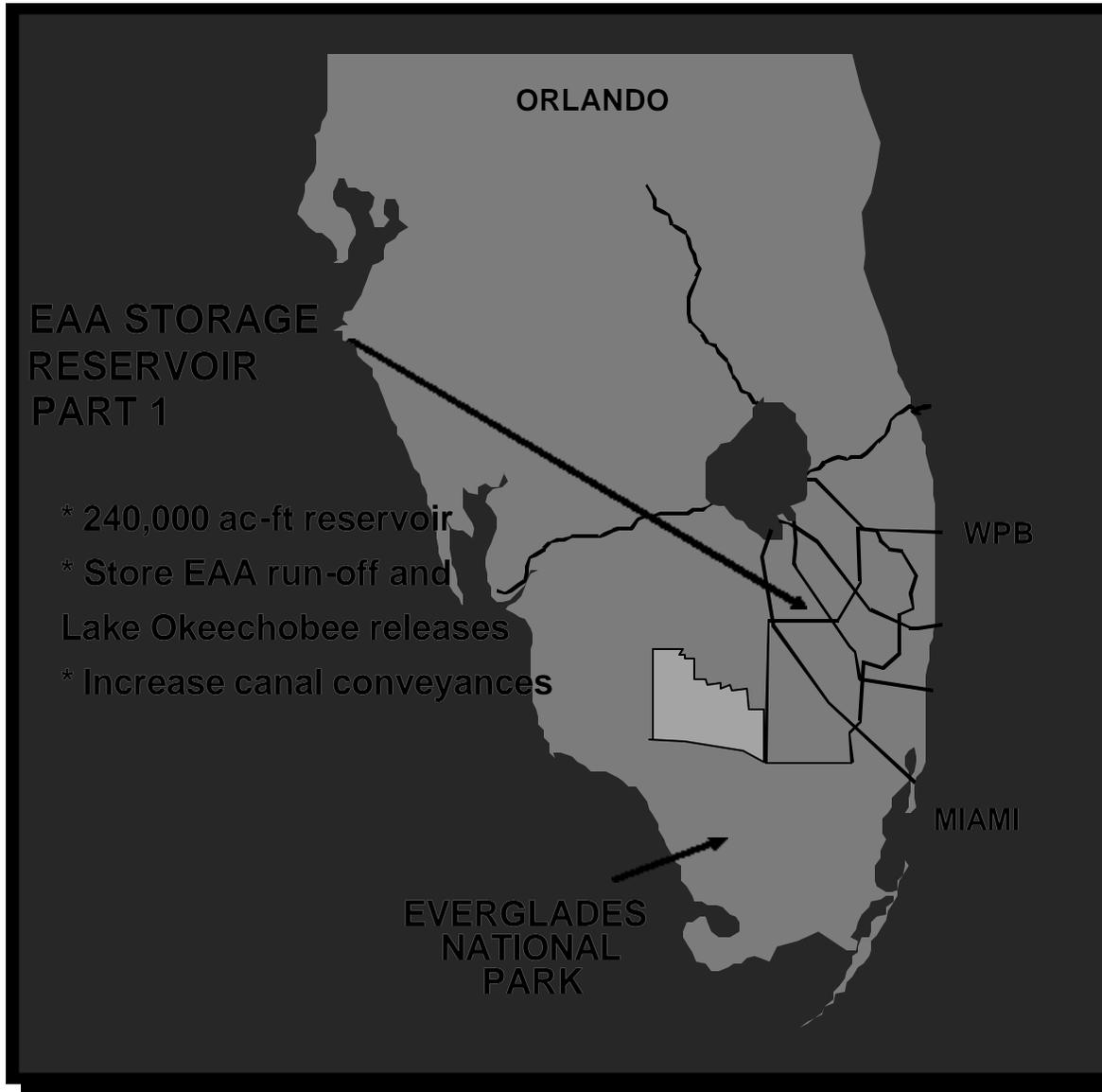
STATUS: PMP underway, complete this month.



U.S. Army Corps of Engineers
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COMPREHENSIVE EVERGLADES RESTORATION PLAN

EAA STORAGE RESERVOIR, PHASE 1



PROJECT COSTS

PED	\$ 16,035,000
Real Estate	\$ 0
Construction	\$217,373,000
<hr/>	
Total	\$233,408,000

Federal	TBD
Non-Fed	TBD

COST SHARING: 50/50

SPONSOR: SFWMD

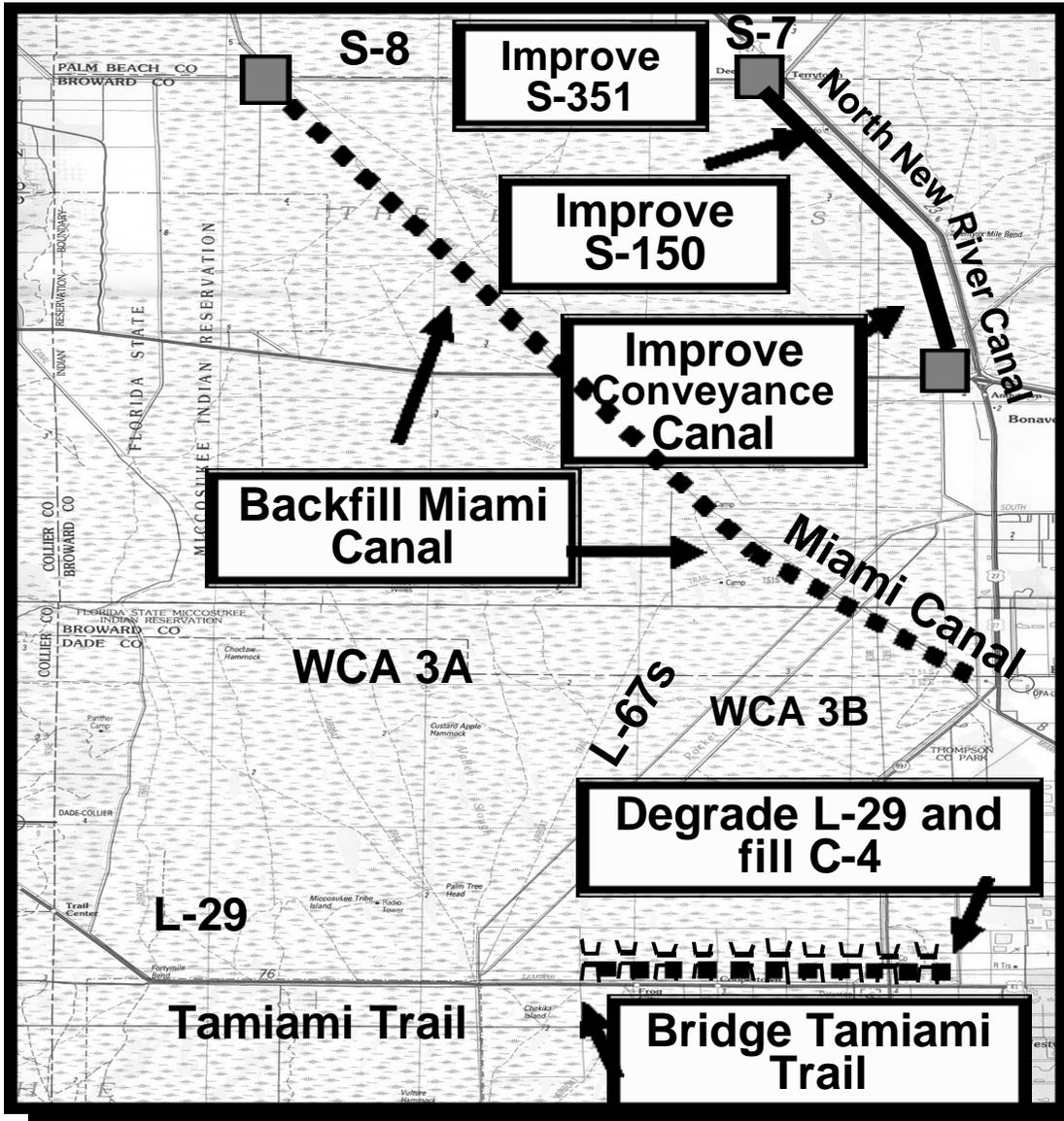
PURPOSE: Environmental Restoration

STATUS: Preparing PMP, complete Sep 01



U.S. Army Corps of Engineers
Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN WCA-3A DECOMPARTMENTALIZATION PH 1



PROJECT COSTS

PED	\$ 727,000
Real Estate	\$ 479,000
Construction	<u>\$ 24,649,000</u>

Total \$ 25,855,000

Federal TBD

Non-Fed TBD

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Environmental
Restoration

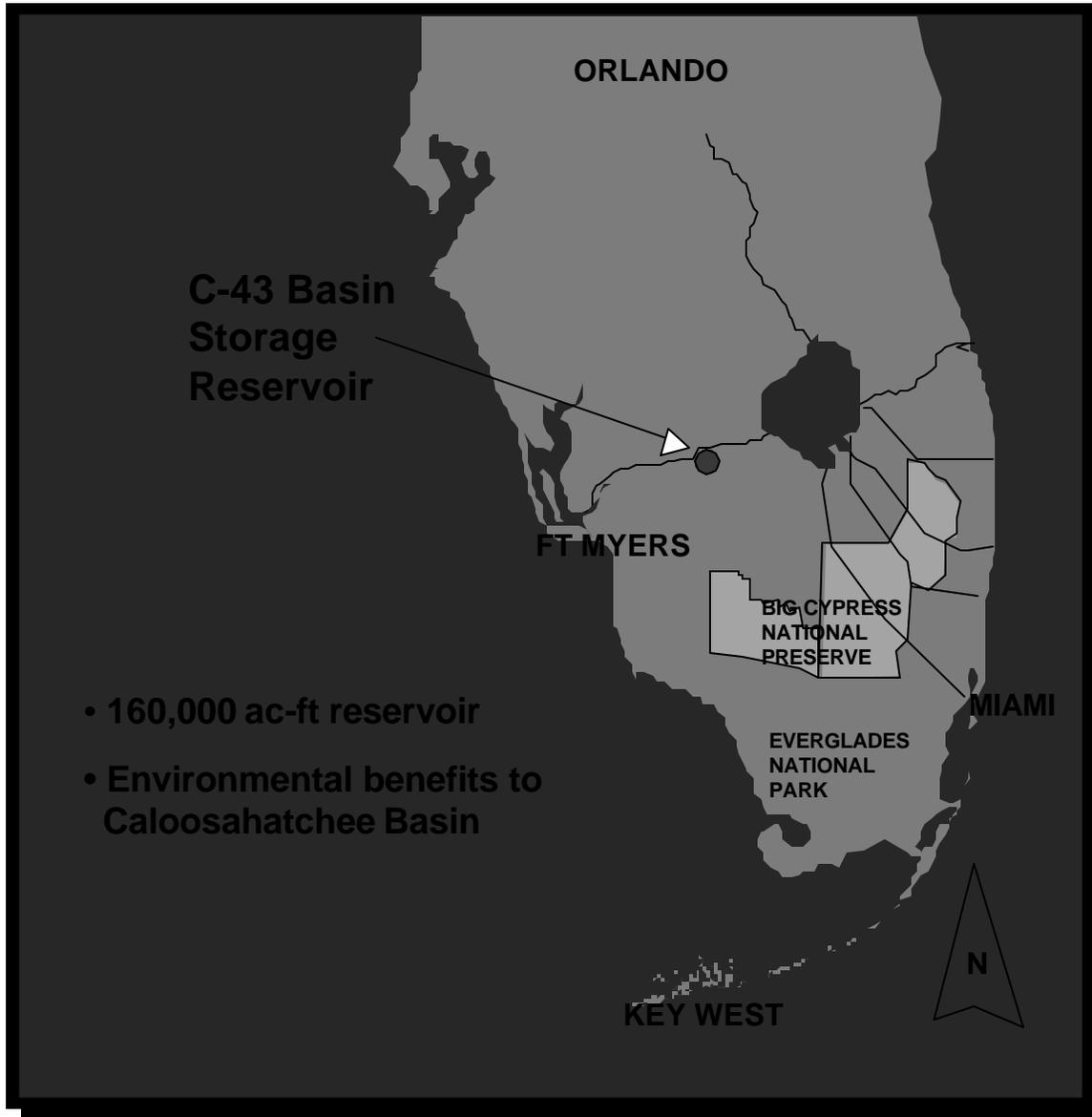
STATUS: PMP Underway,
complete Oct 01



U.S. Army Corps of Engineers
Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN

C-43 BASIN STORAGE RESERVOIR



PROJECT COSTS

PED	\$4,713,000
Real Estate	\$132,621,000
Construction	\$63,900,000

Total	\$201,234,000
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Federal	TBD
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Non-Fed	TBD
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COST SHARING: 50/50

SPONSOR: SFWMD

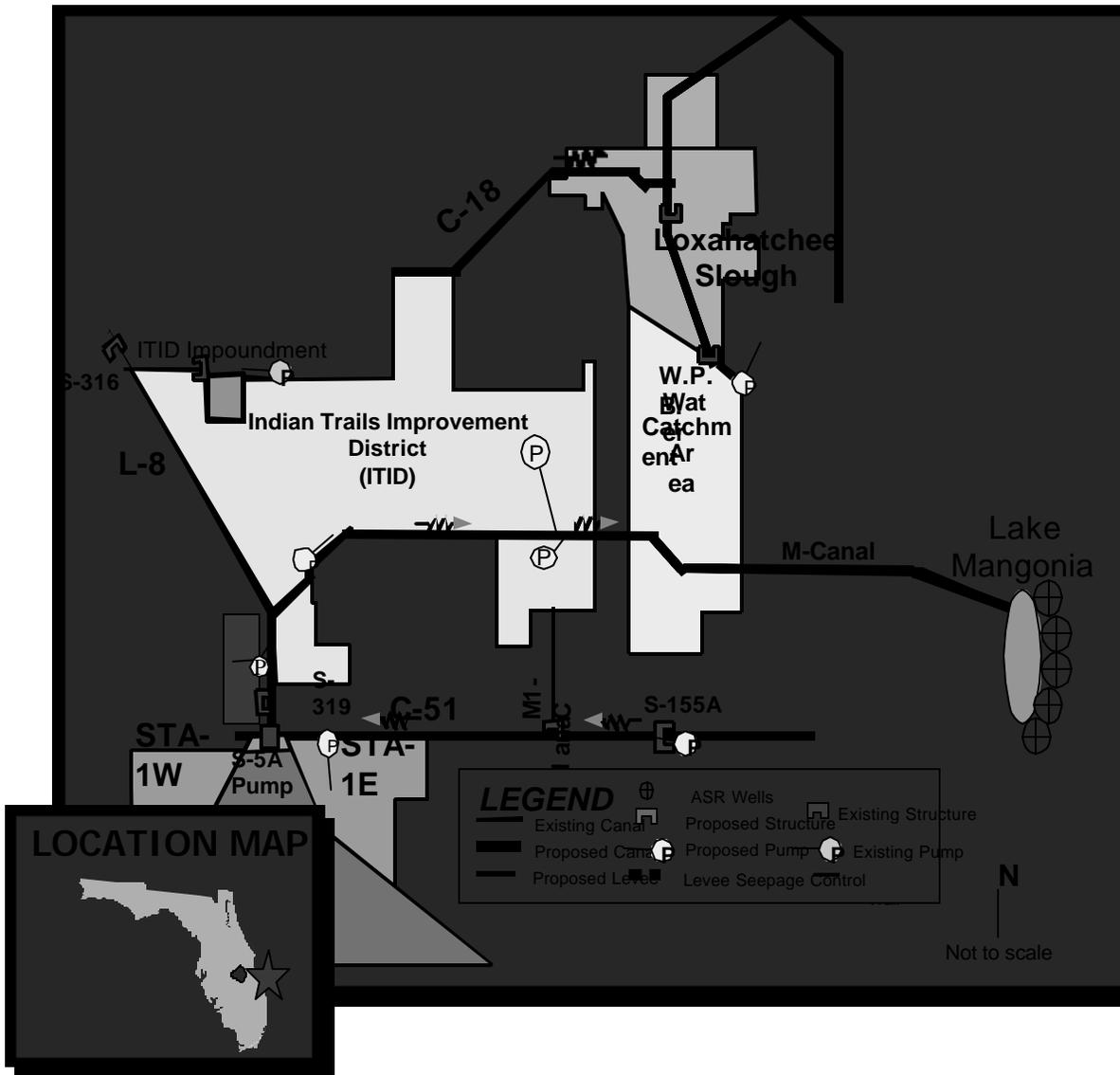
PURPOSE: Capture runoff & release from Lake Okeechobee

STATUS: PMP underway, complete Oct 01.



U.S. Army Corps of Engineers
Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN NORTH PALM BEACH COUNTY



PROJECT COSTS

PED	\$ 32,115,595
Real Estate	\$ 59,493,000
Construction	<u>\$316,766,000</u>
Total	\$408,374,595

Federal TBD
Non-Fed TBD

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Flood Control, Water Supply, Water Quality, Environmental Enhancement

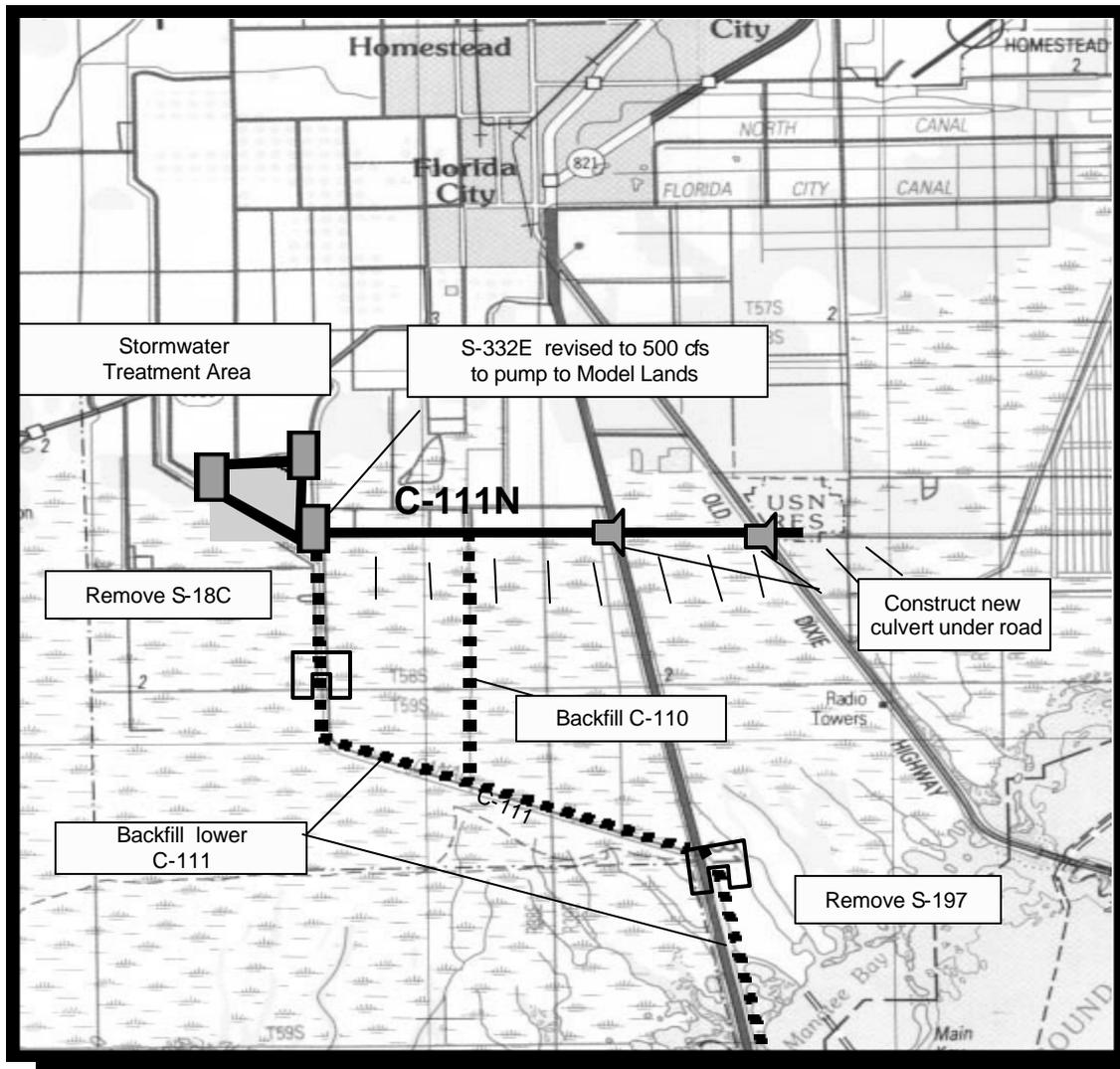
STATUS: PMP underway, complete Oct 01.



U.S. Army Corps of Engineers
Jacksonville District

COMPREHENSIVE EVERGLADES RESTORATION PLAN

C-111 NORTH SPREADER CANAL



PROJECT COSTS

PED	\$ 3,317,000
Real Estate	\$ 45,766,000
Construction	\$ <u>44,952,000</u>

Total \$ 94,035,000

Federal TBD

Non-Fed TBD

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Environmental Restoration

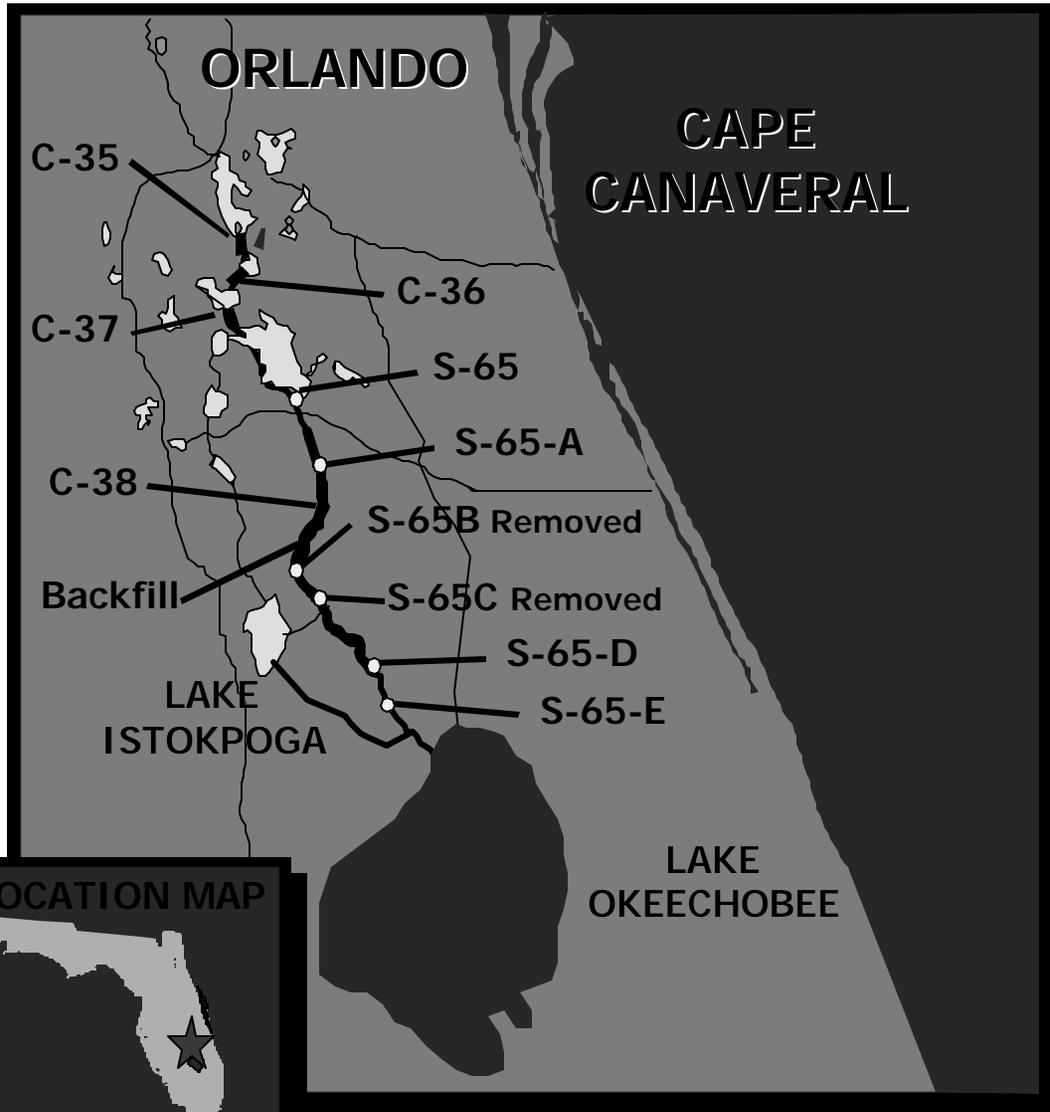
STATUS: PMP Underway, complete Sep 01



U.S. Army Corps of Engineers
Jacksonville District

KISSIMMEE RIVER, FLORIDA PROJECT

KISSIMMEE RIVER RESTORATION



PROJECT COSTS

PED	\$ 70,172,000
Real Estate	\$180,056,000
Construction	<u>\$278,252,000</u>

Total \$528,480,000

Federal \$264,240,000

Non-Fed \$264,240,000

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Ecosystem
Restoration

STATUS: Under construction,
first backfill contract complete



U.S. Army Corps of Engineers
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Questions/Comments?