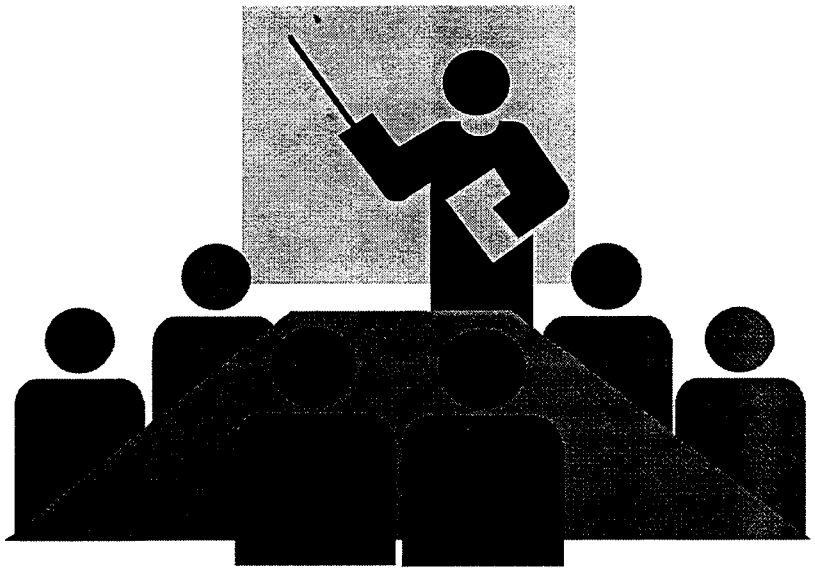
Technical Oversight Committee Presentation



- MWD
- CSSS
- CSOP
- C-111

Modified Water Deliveries to Everglades National Park

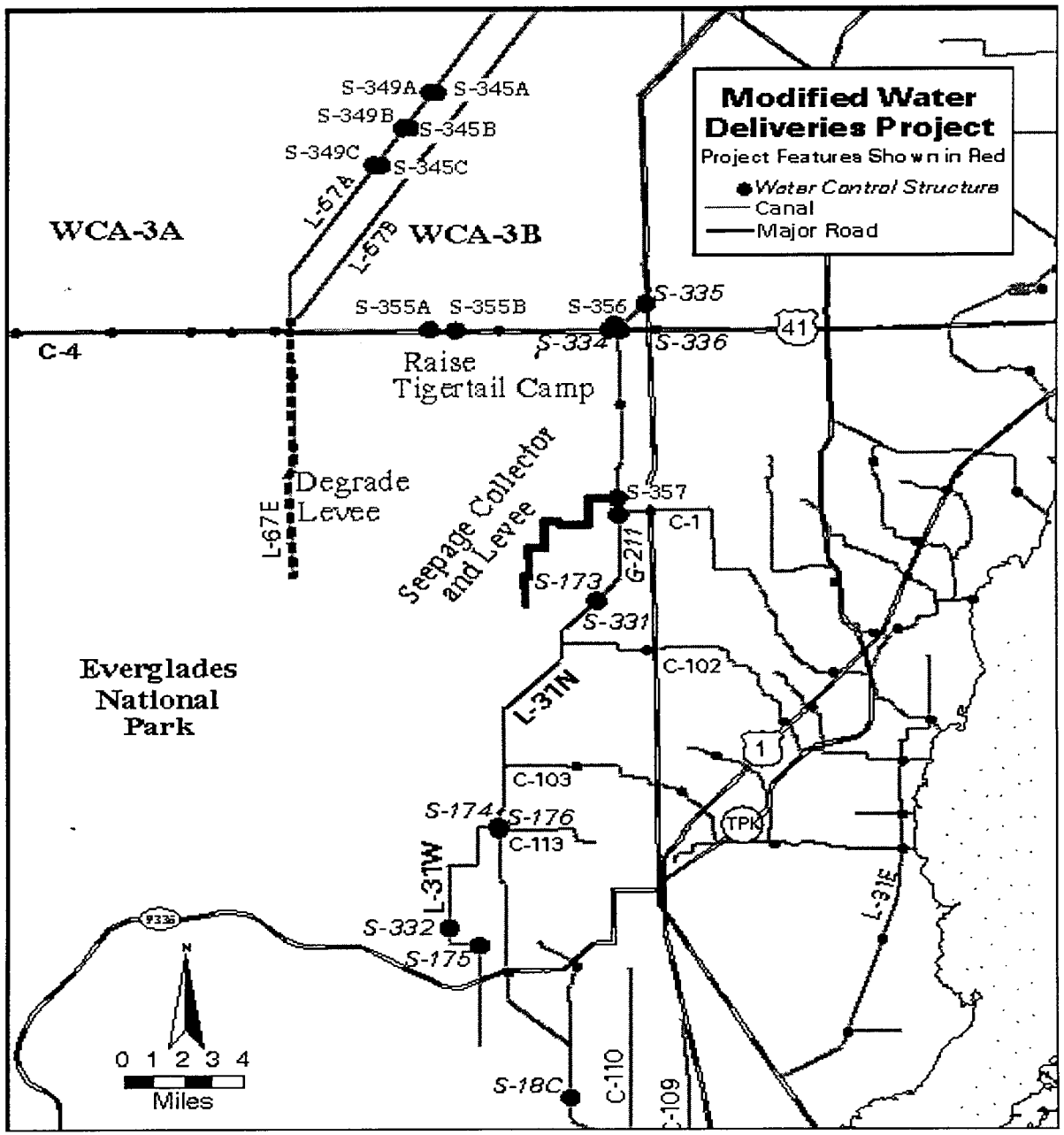
MWD Project

ENP Protection and Expansion Act '89

" Construct modifications to CS&F to improve water deliveries into the park and shall, to the extent practicable, take steps to restore the natural hydrological conditions within the park."

MWD Project

- Conveyance and Seepage Control Features
- Tamiami Trail Modifications
- 8.5 SMA



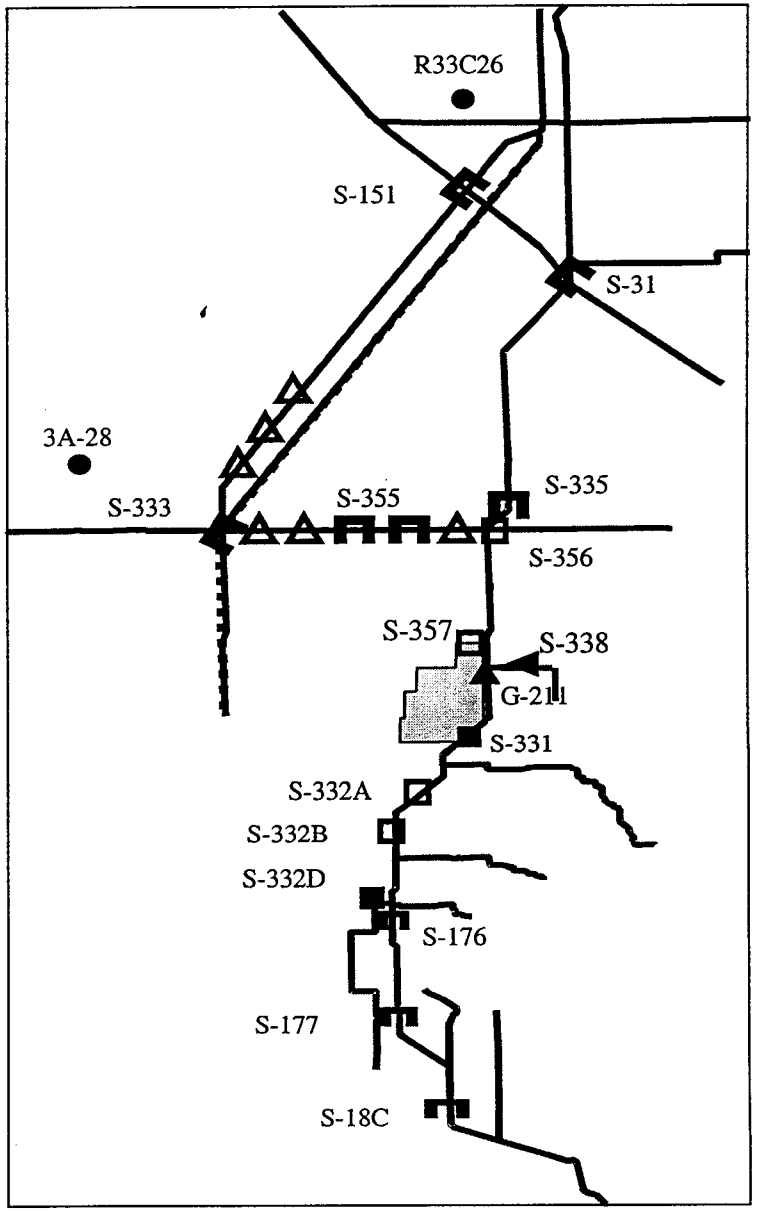
Physical Features

L67A/C:
3 Weirs in L67A Levee
L67A Canal in-place
L67C Levee Degraded

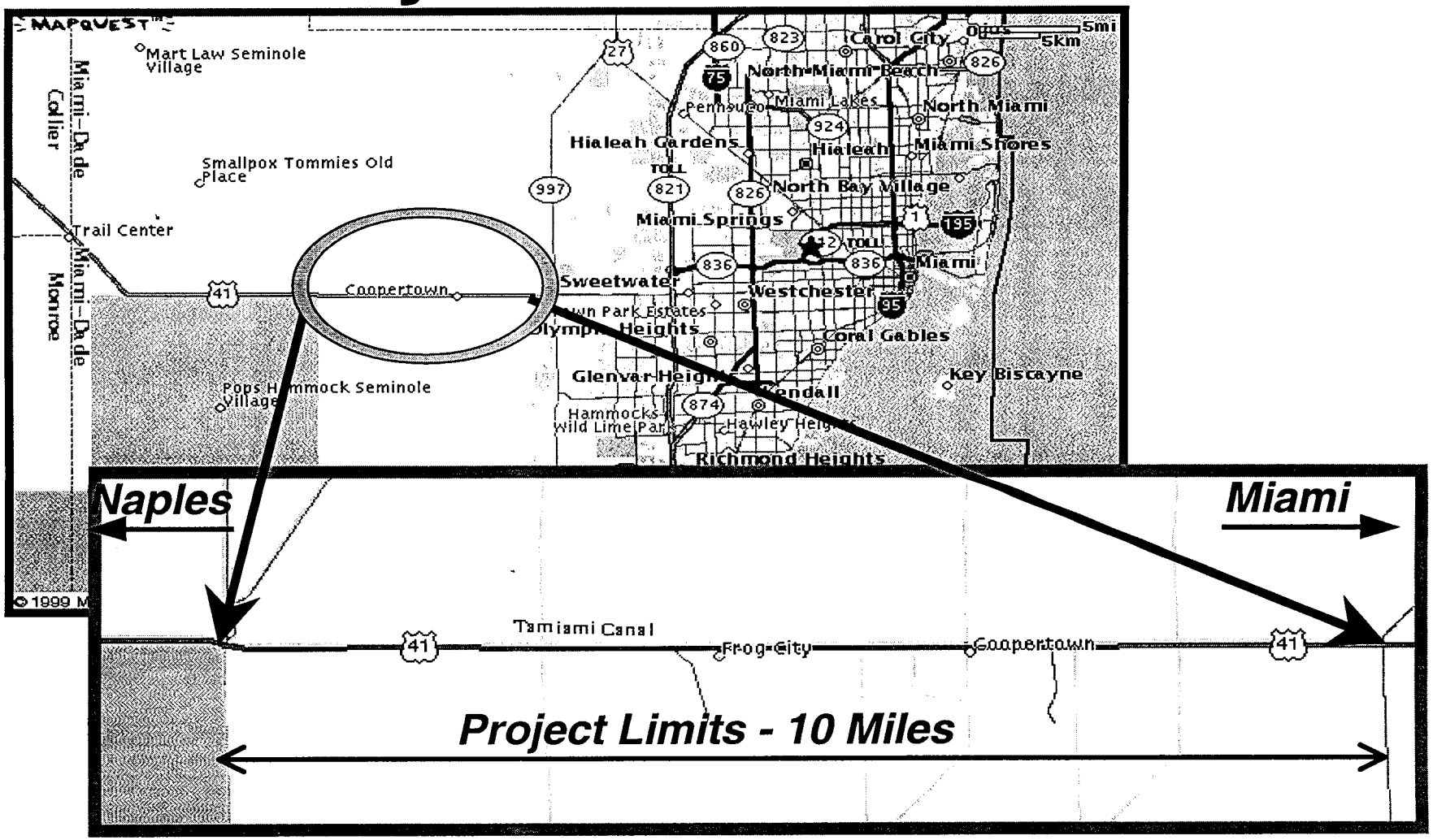
Seepage Control:
S356 in authorized location

L29 - 2 Weirs West and
1 Weir East of S355A/B

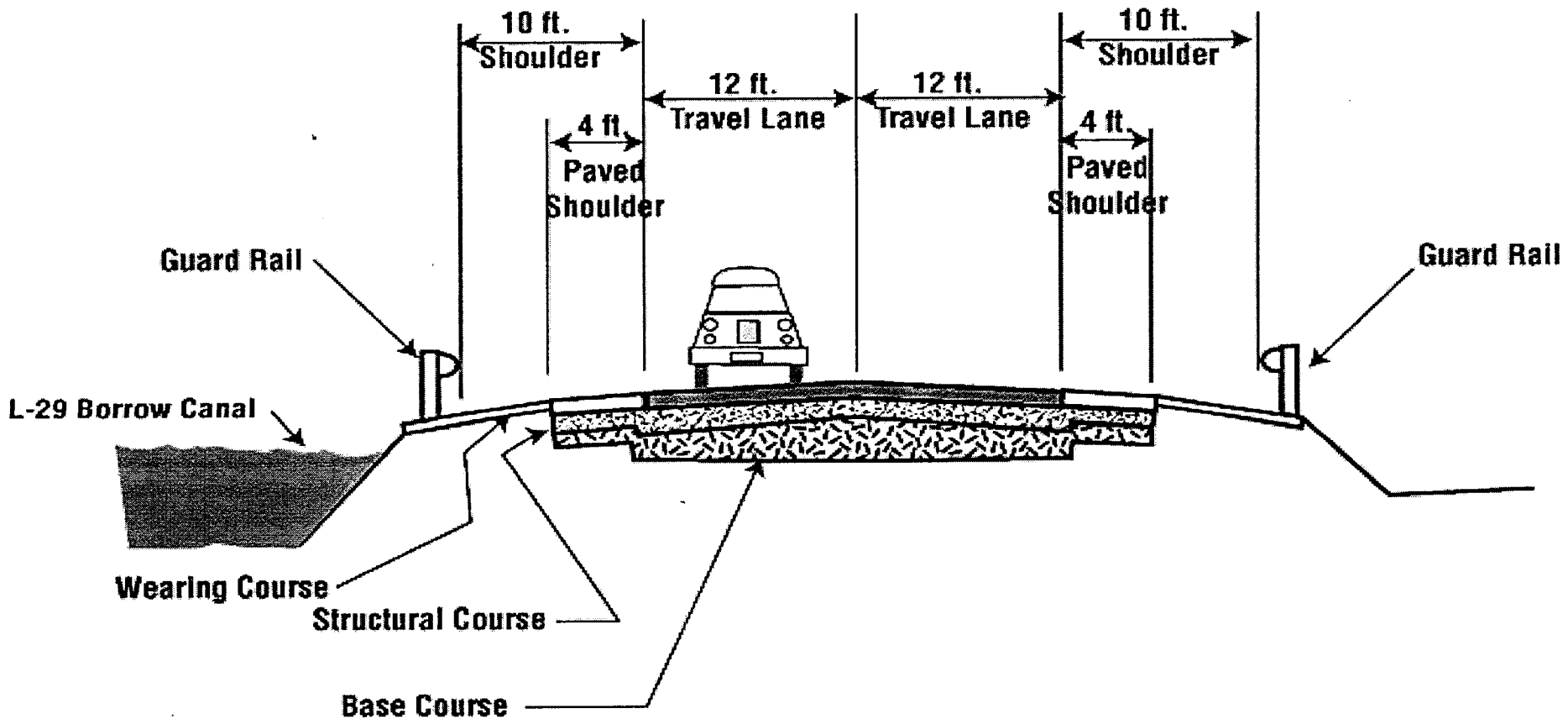
WCA3B Seepage Control:
S335 to S331



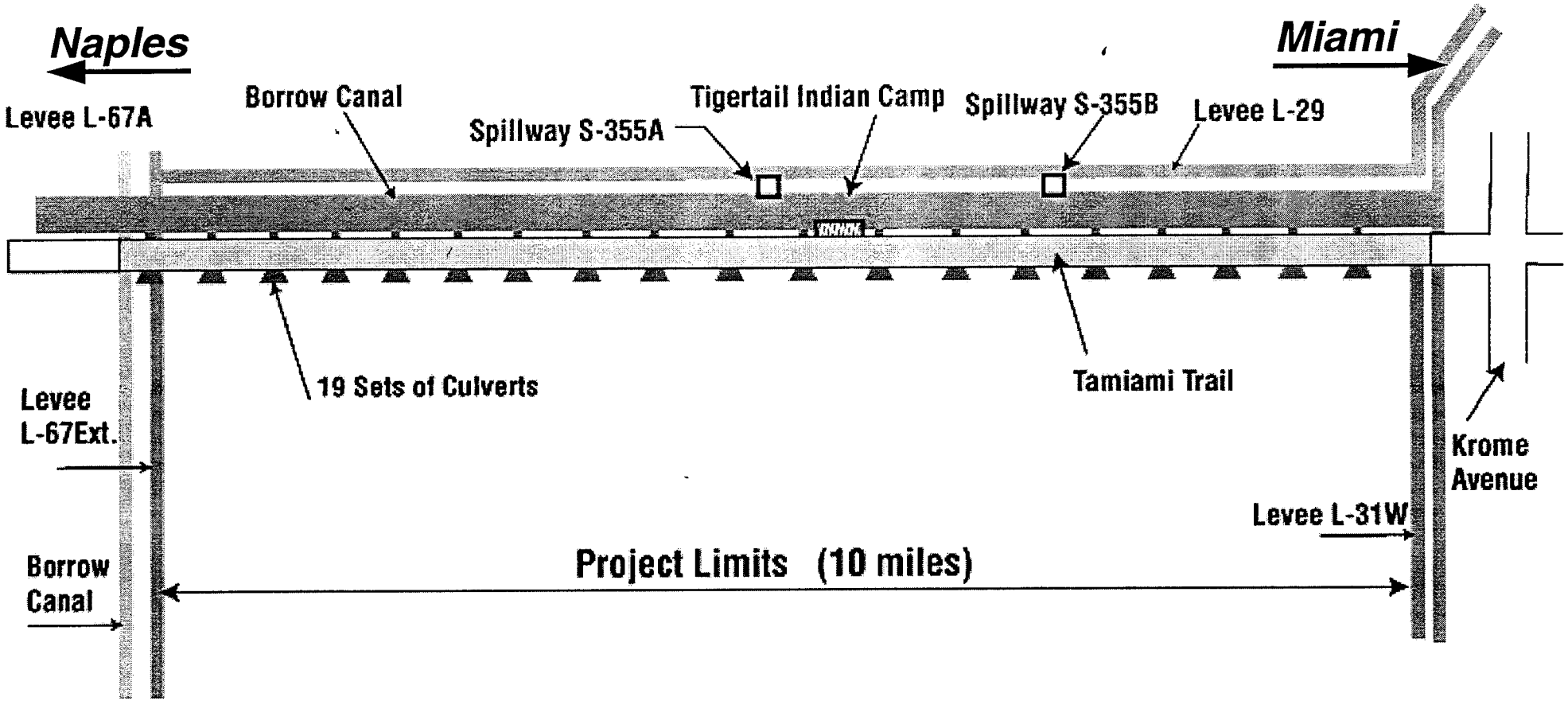
Tamiami Trail
Project Location



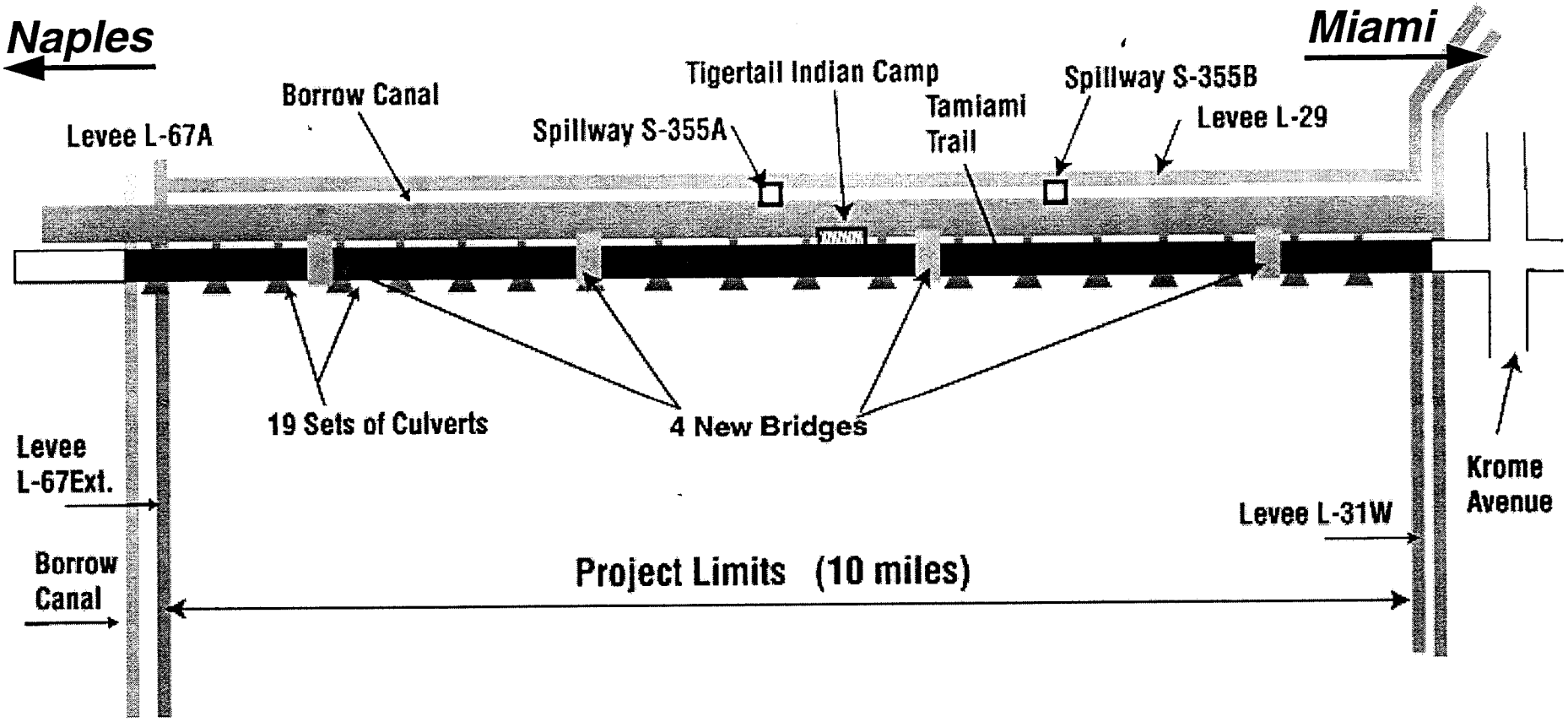
Tamiami Trail



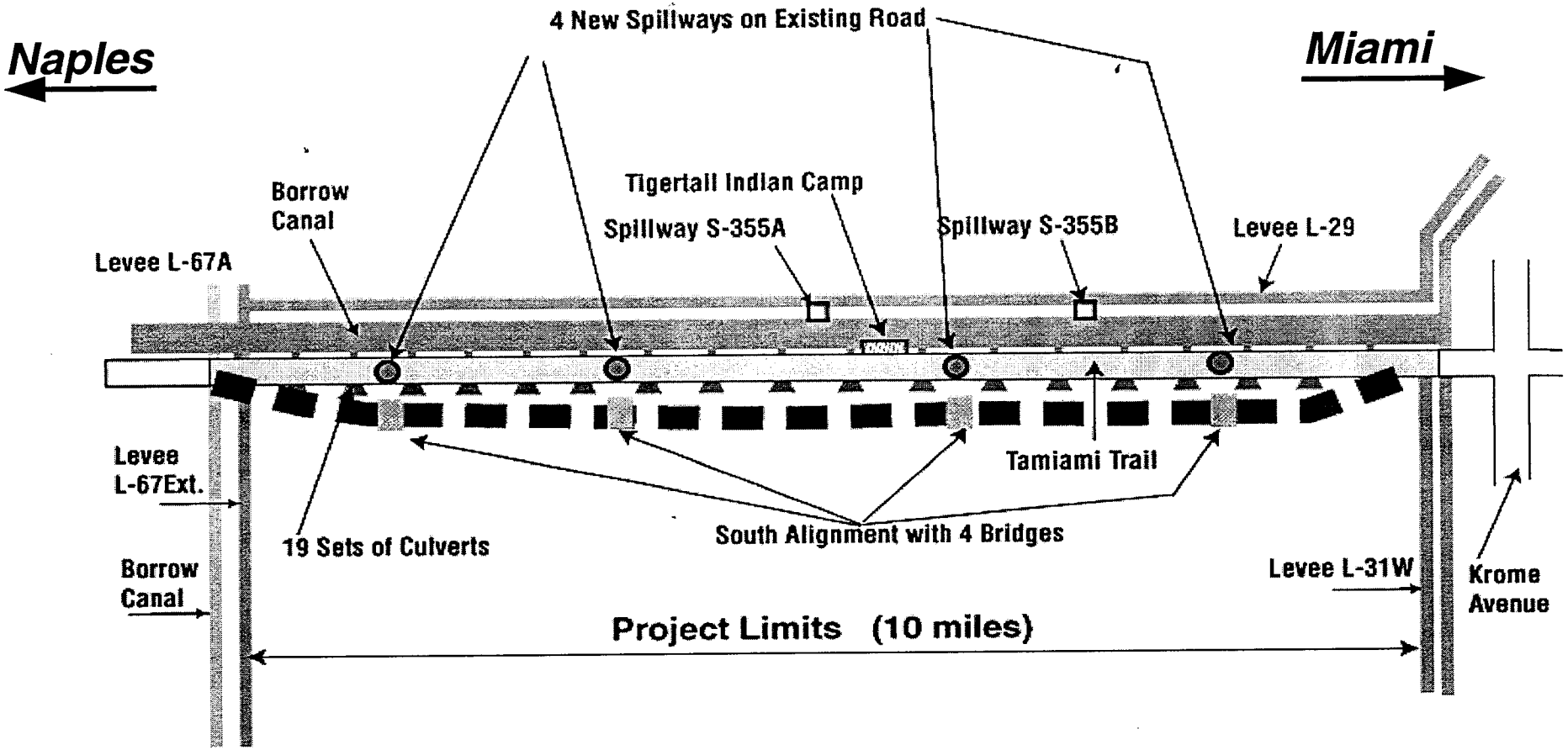
Existing Alignment with No Bridges



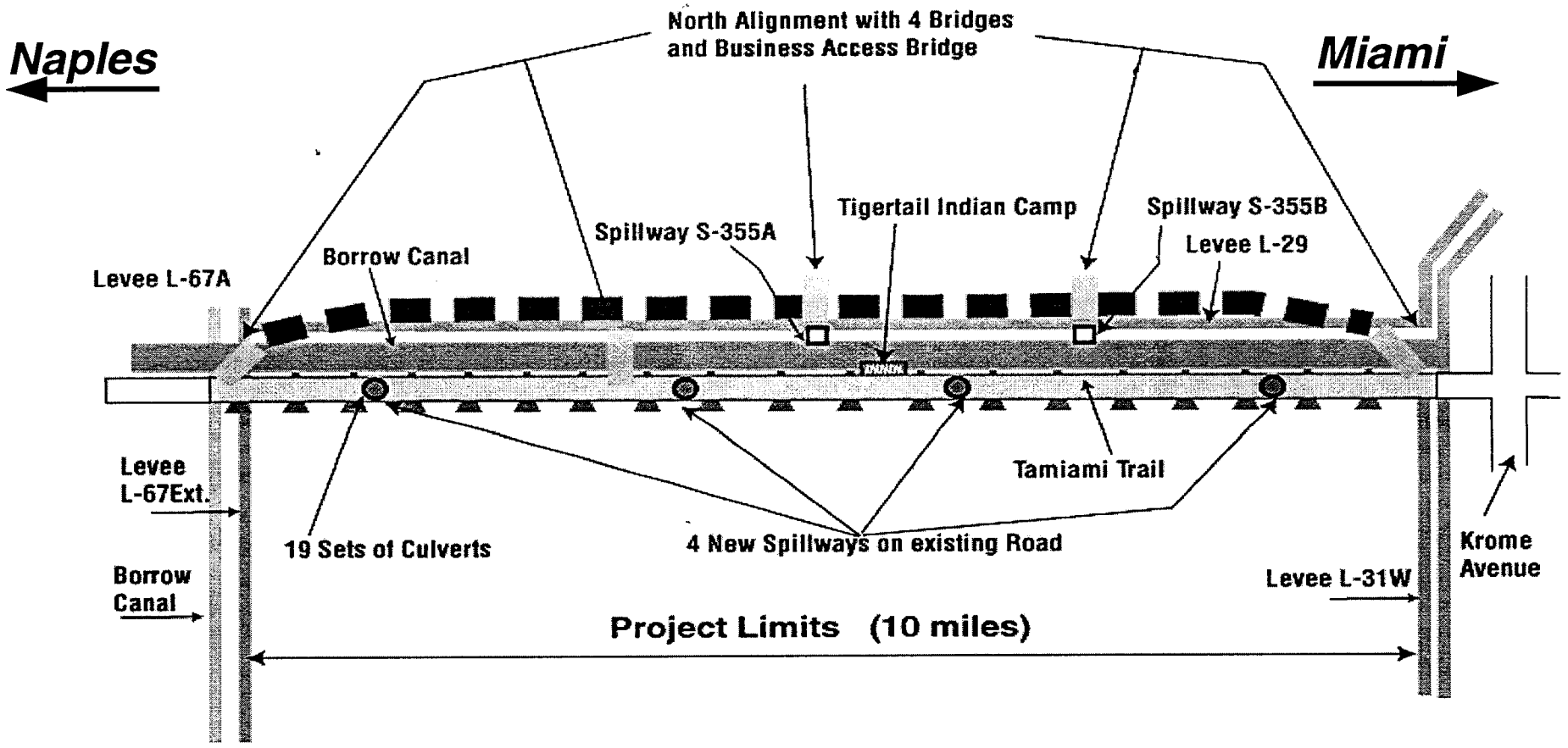
Existing Alignment with 4 Bridges



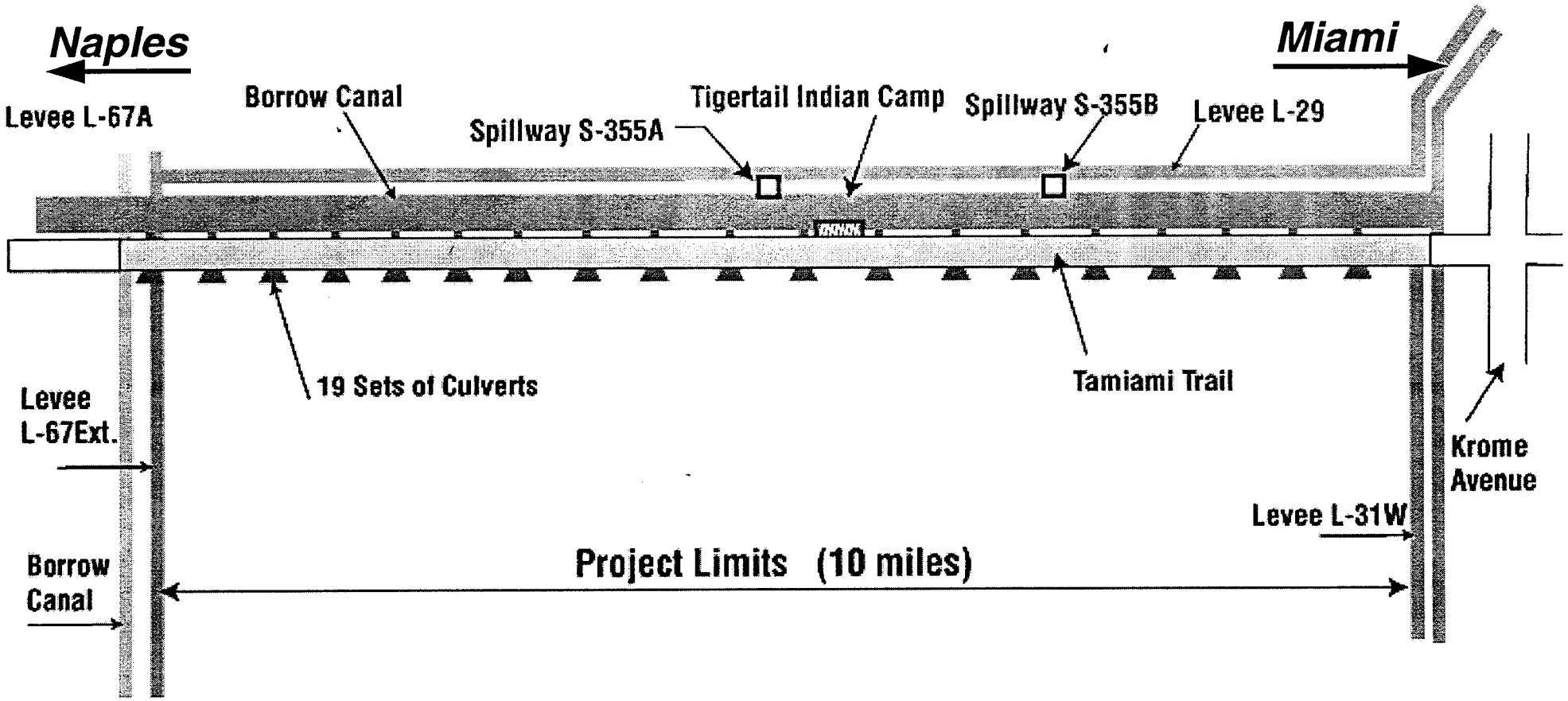
South Alignment with 4 Bridges

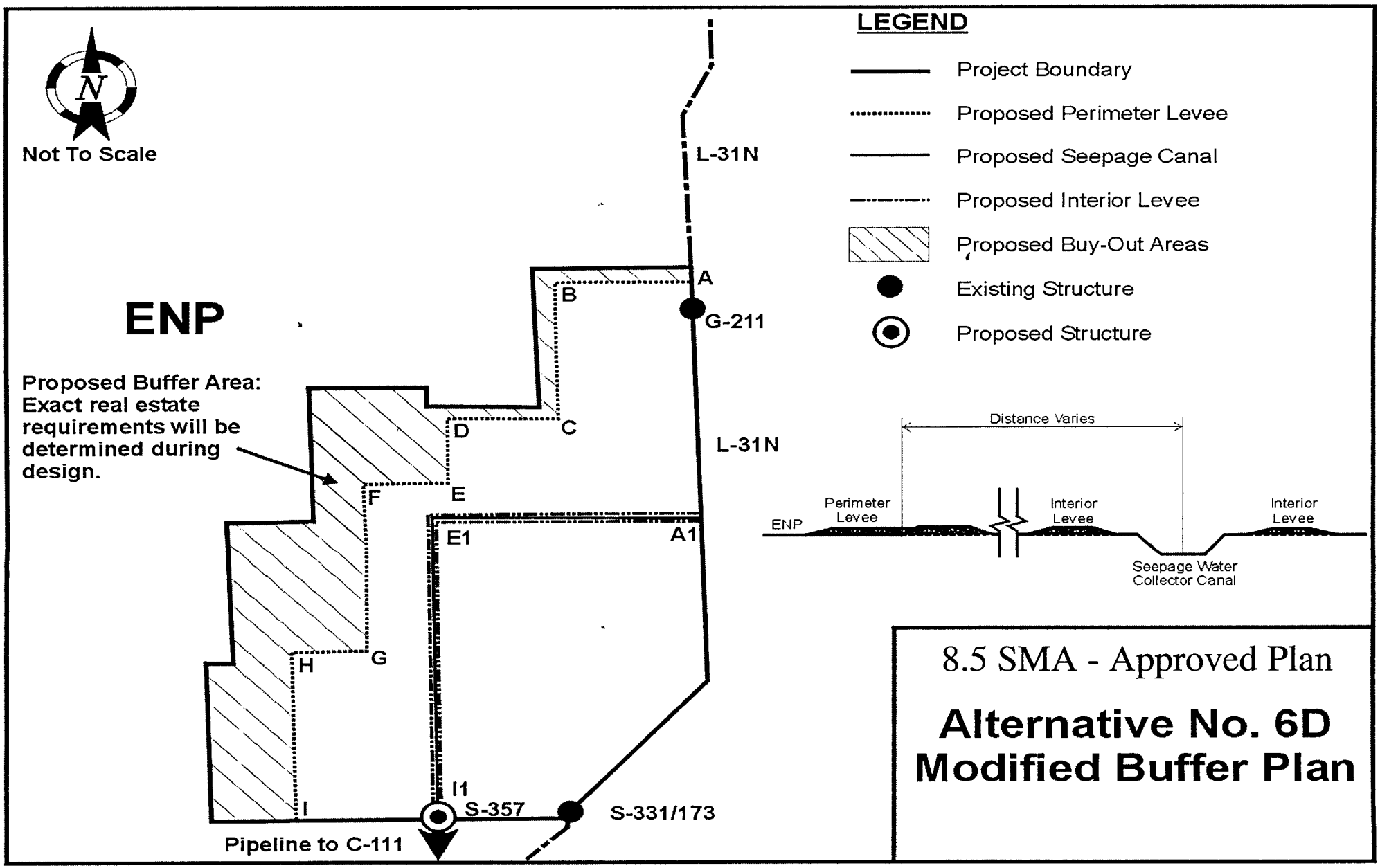


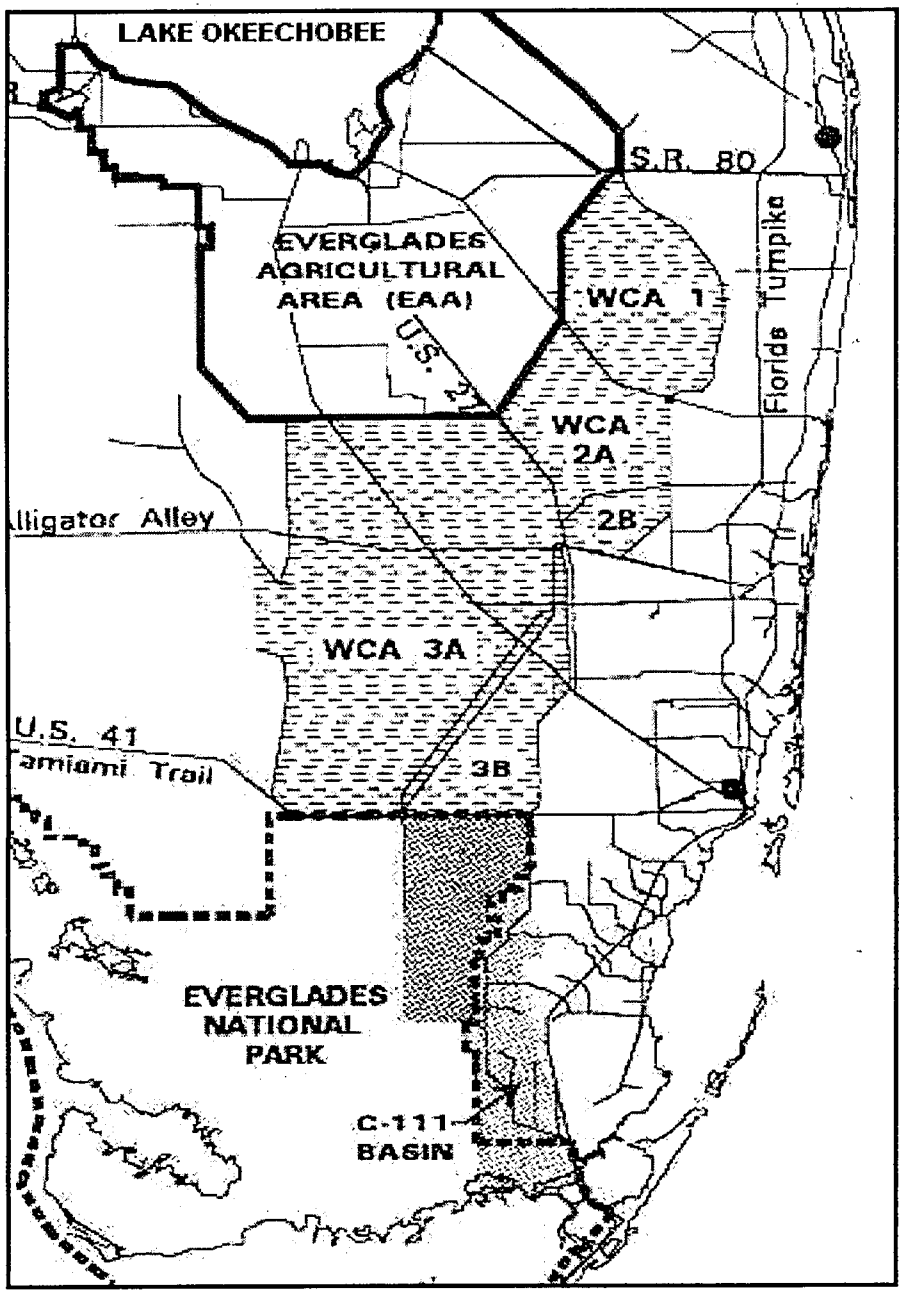
North Alignment with 5 Bridges



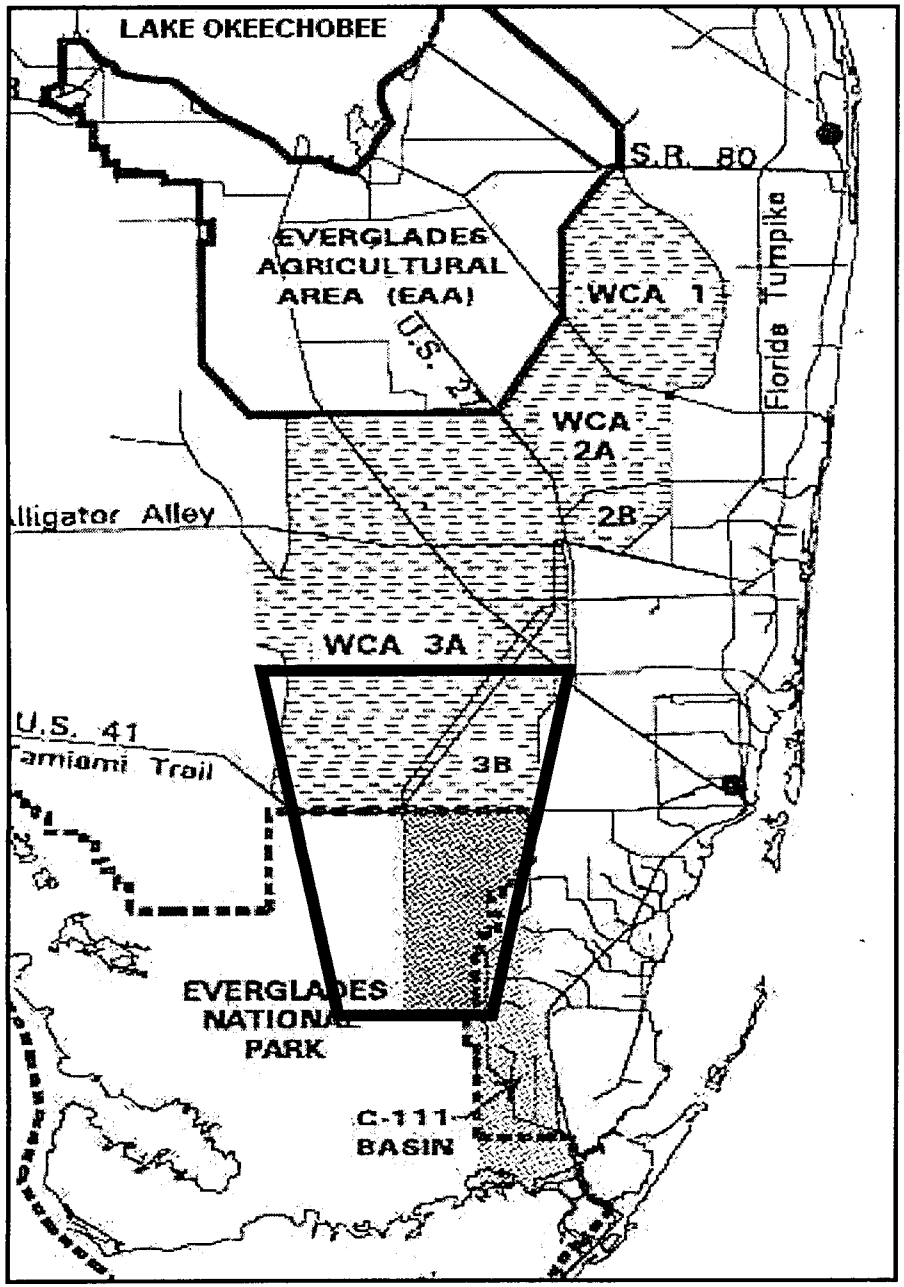
Raise Entire Alignment - Causeway



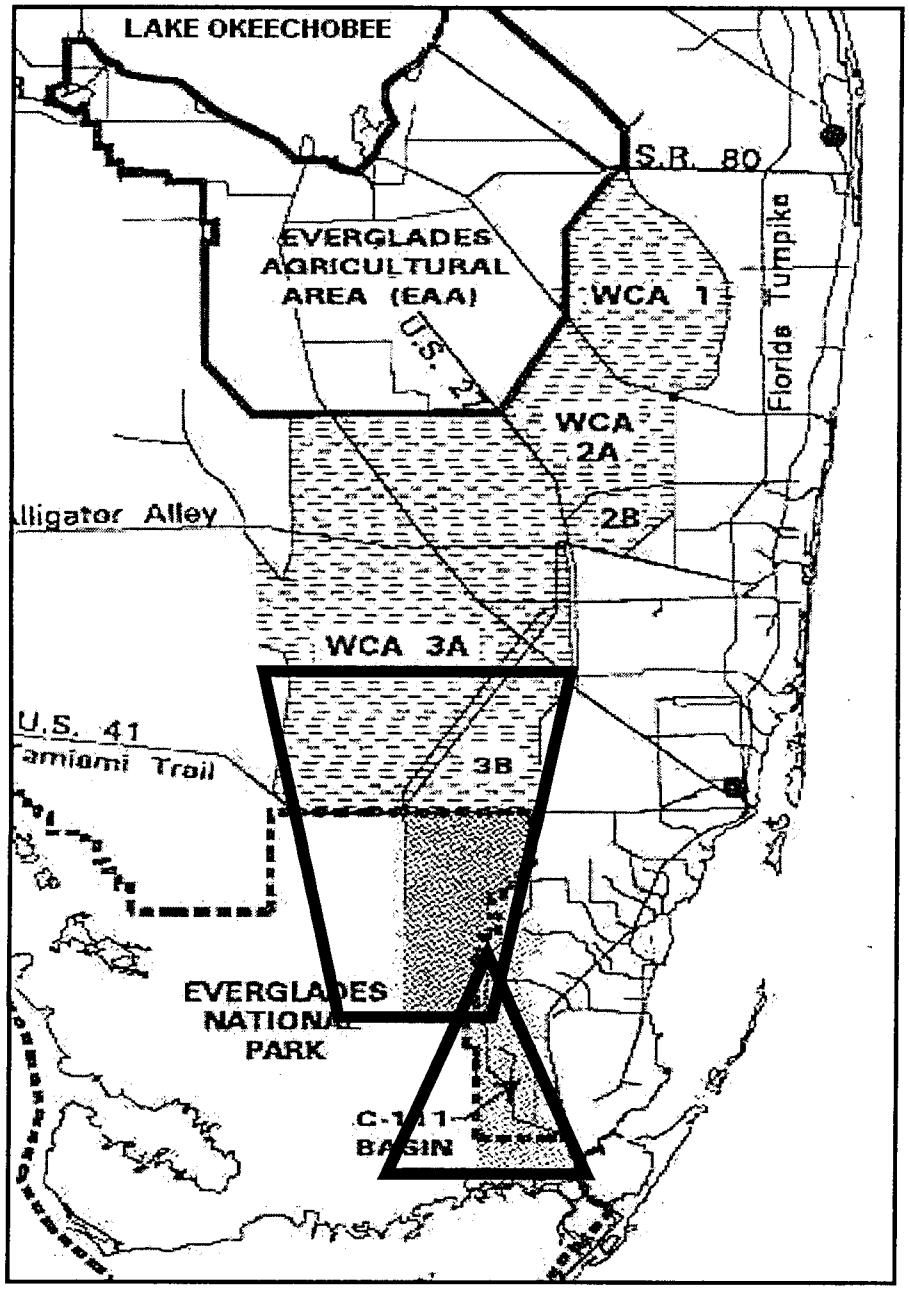

N
Not To Scale
ENP
Proposed Buffer Area:
Exact real estate
requirements will be
determined during
design.
L-31N
A
B
G-211
C
D
L-31N
F
E
E1
A1
G
H
I
I1
S-357
S-331/173
Pipeline to C-111
LEGEND
Project Boundary
Proposed Perimeter Levee
Proposed Seepage Canal
Proposed Interior Levee
Proposed Buy-Out Areas
Existing Structure
Proposed Structure
Distance Varies
ENP
Perimeter Levee
Interior Levee
Interior Levee
Seepage Water Collector Canal
8.5 SMA - Approved Plan
Alternative No. 6D
Modified Buffer Plan



UPDATE
FWS
Reconsultation
Biological Opinion
IOP and ISOP

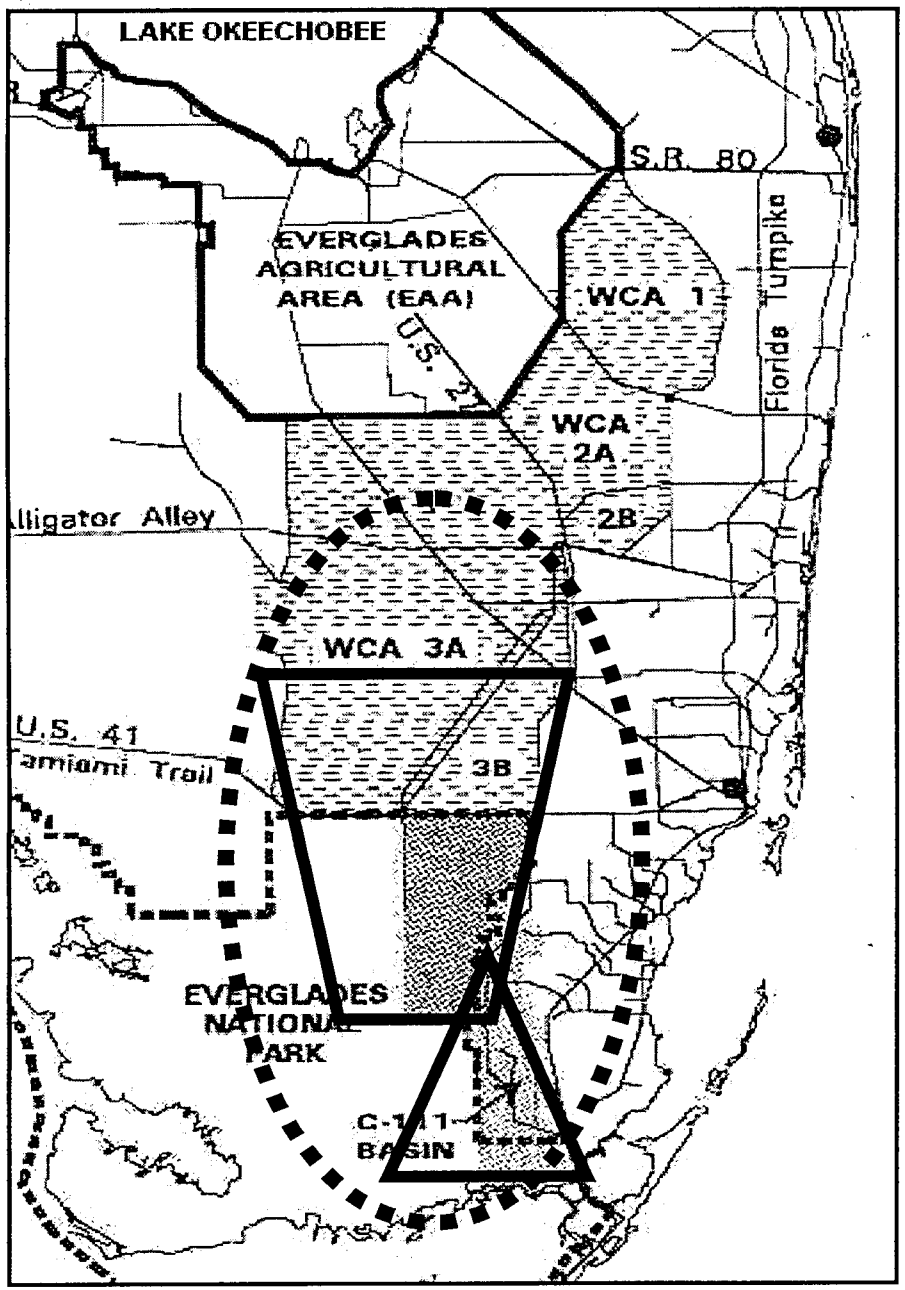


Modified Water Deliveries Project



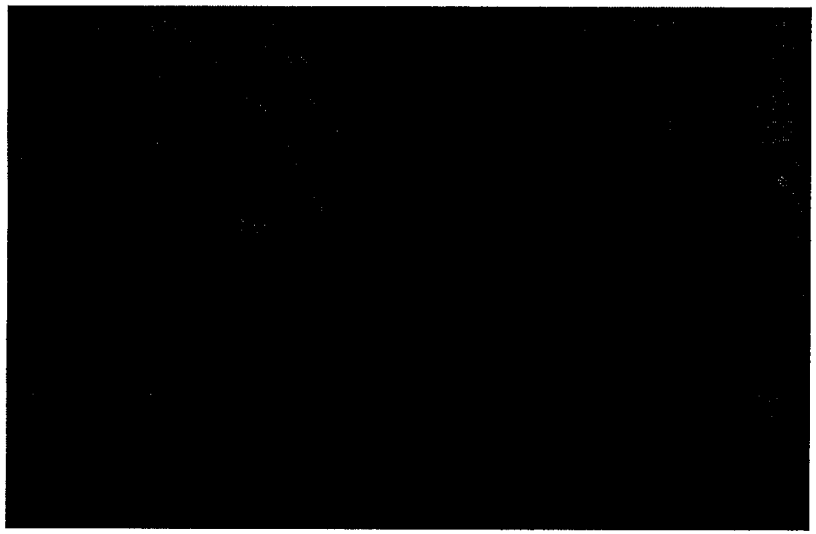
Modified Water Deliveries Project

C-111 Project



- Experimental Program of Water Deliveries to Everglades National Park
- Modified Water Deliveries Project
- C-111 Project

FWS Reconsultation
Final Biological Opinion



- Jeopardy on Experimental Program

  (Test 7 operations)

- No Jeopardy on Modified Water Deliveries to ENP or C111 Project

Reasonable and Prudent Alternative

Interim Targets

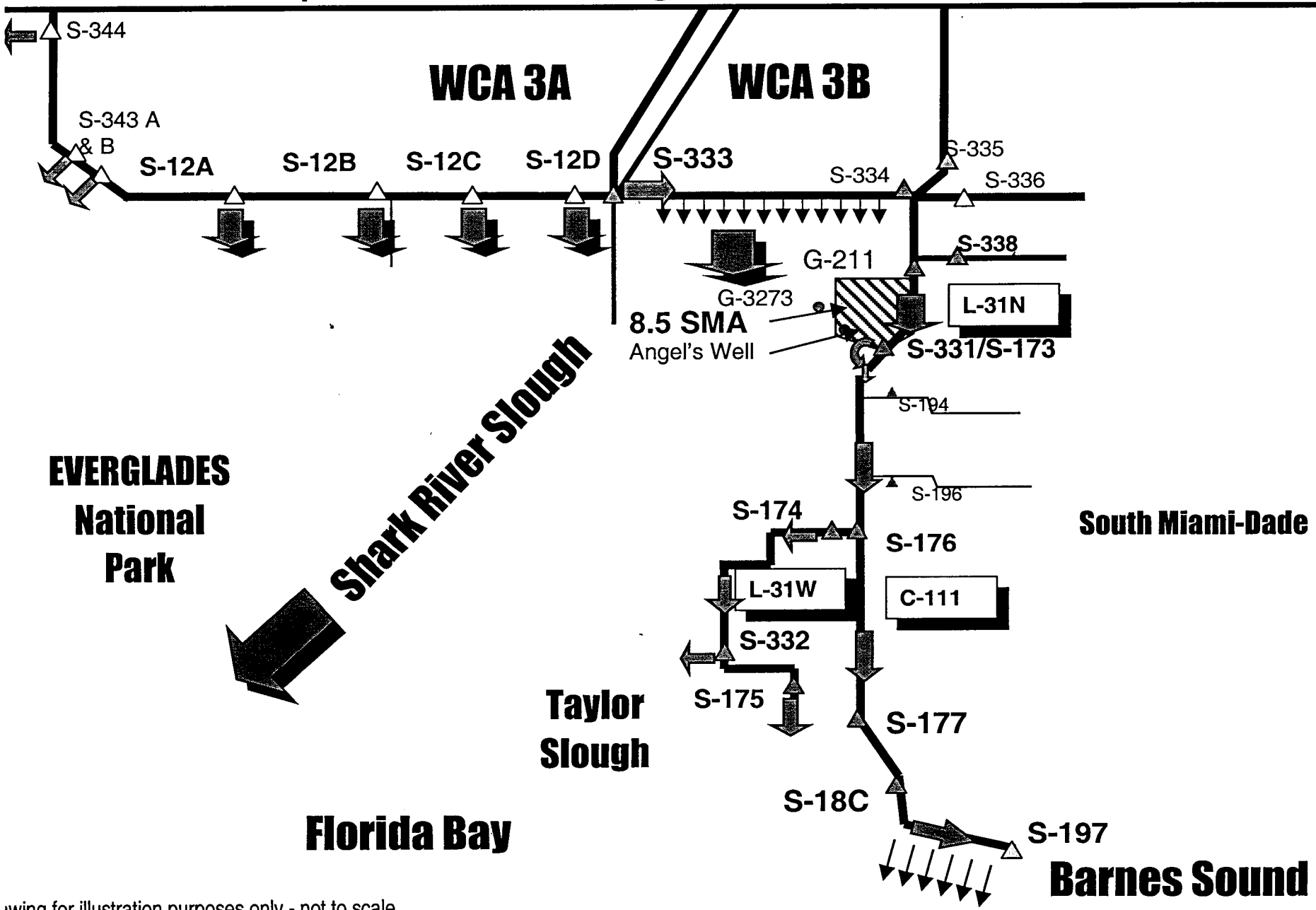
2003 - MWD Implemented

Overview
Structural and Operational Changes For RPA

What was the operational program before ISOP 2000?

Experimental Program Jeopardy

Experimental Program - Test 7 Phase I



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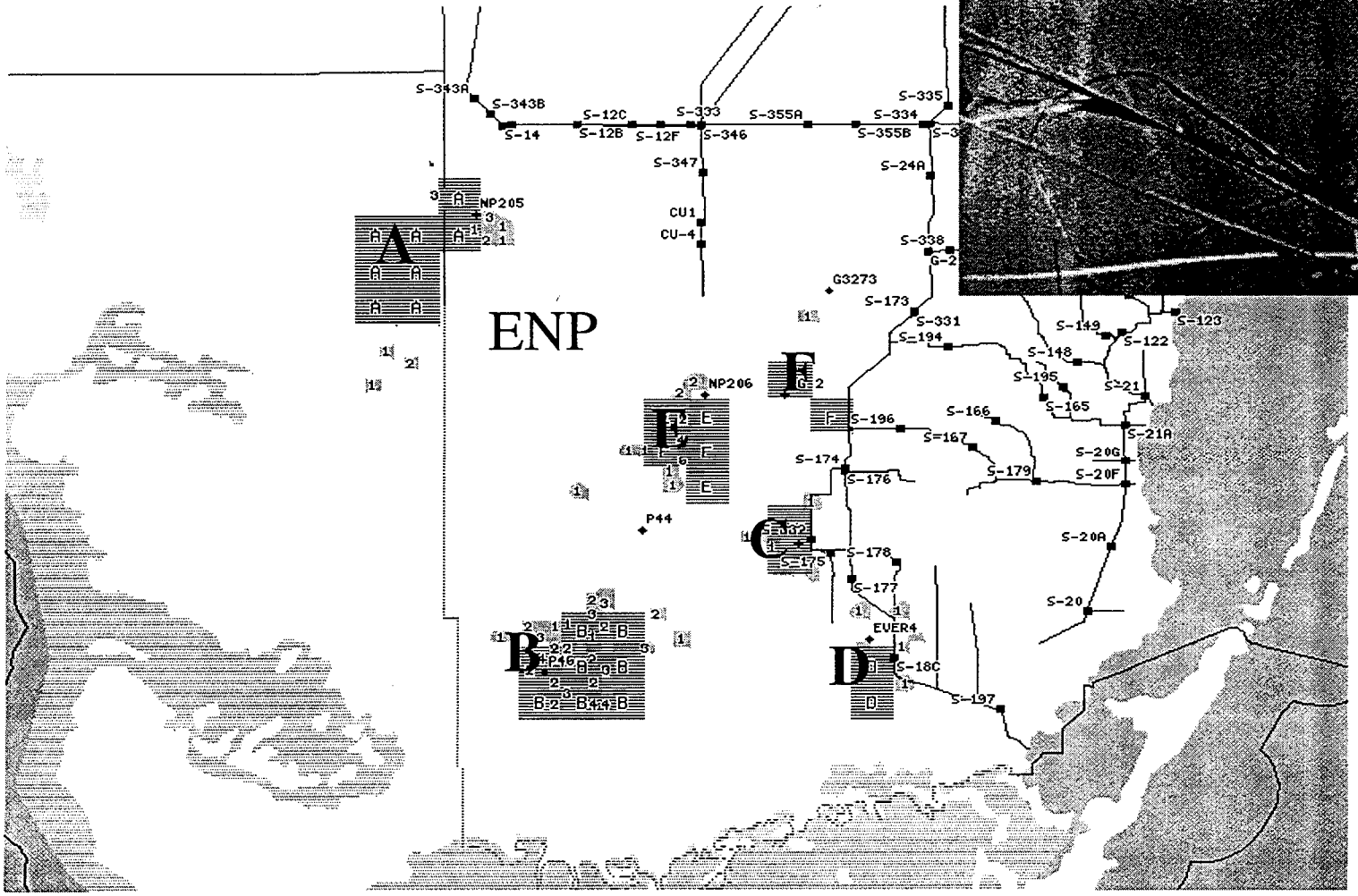
Why was a different Operational Plan necessary for 2000?

Cape Sable Seaside Sparrow

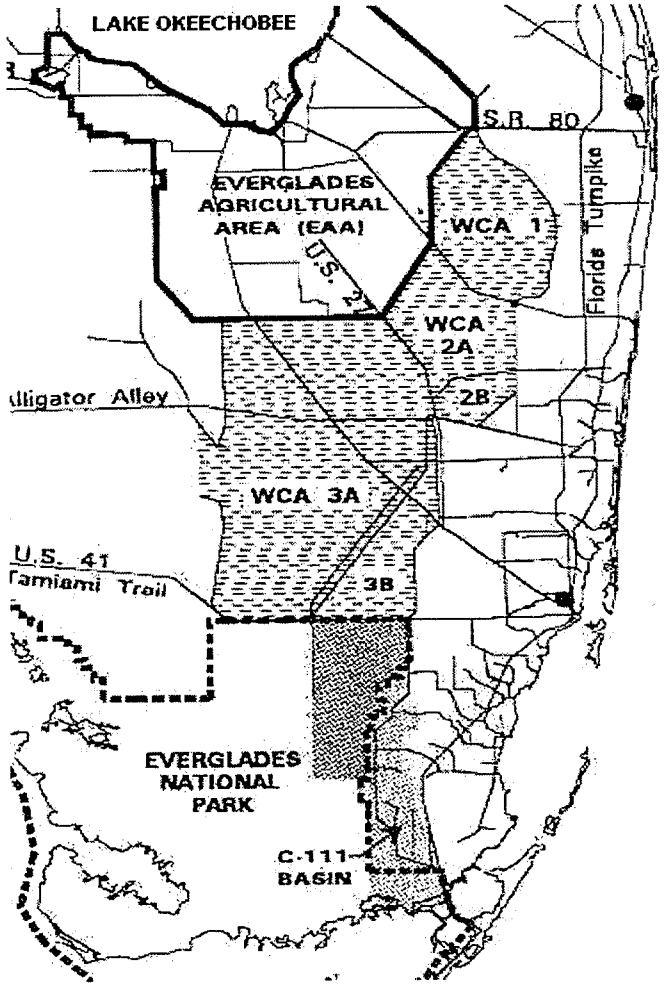


Implement RPA

ISOP was needed to met the US Fish & Wildlife Service Biological Opinion Requirements

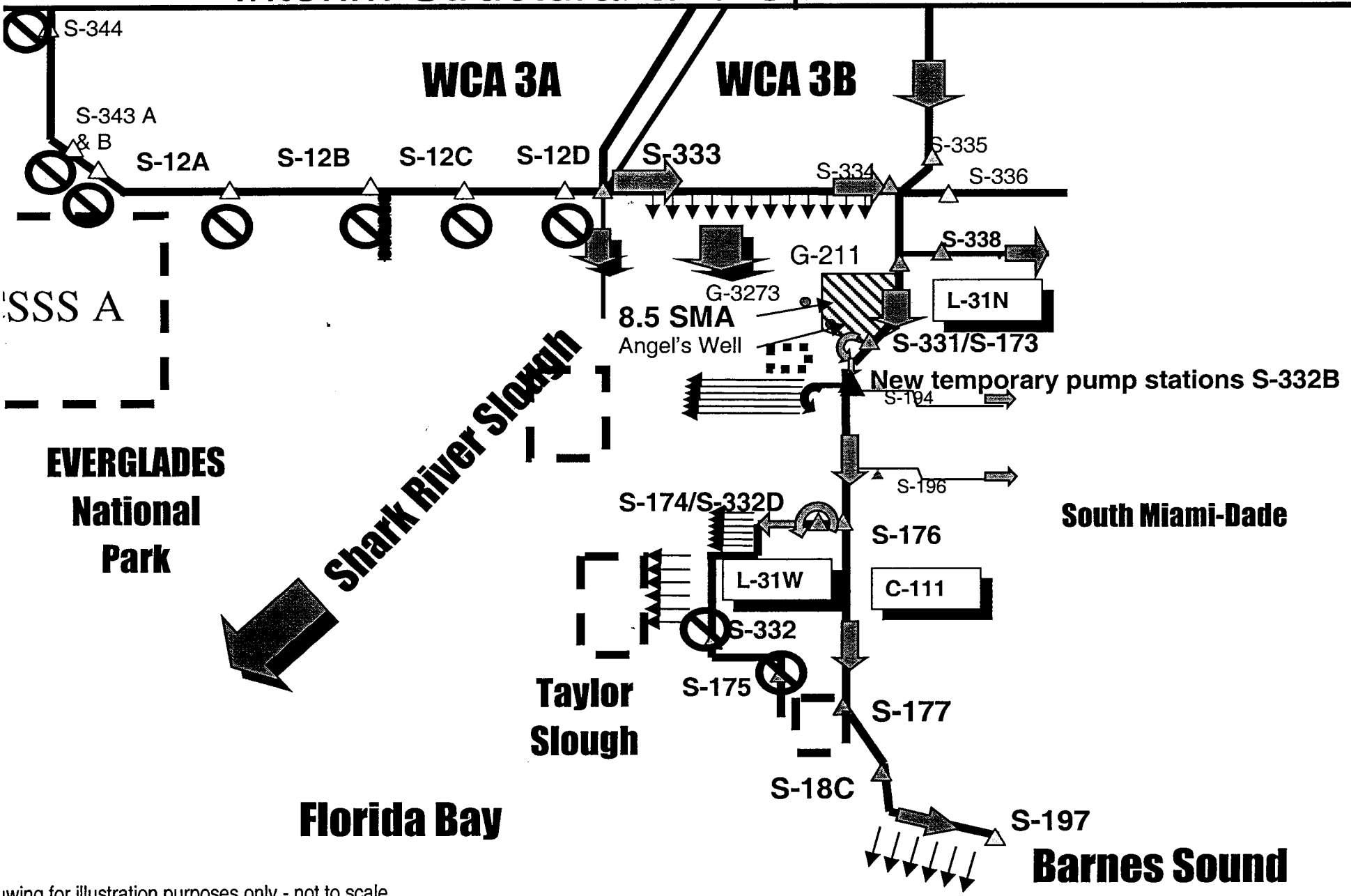
- Western Habitat
  - Water level of 6.0 feet or less at NP 205 for 60 consecutive days between 1 March and 15 July
  - Avoid adverse impacts to other natural areas and species in system
- Eastern Habitat
  - Pass 30% of regulatory releases from WCA3A to east of L-67 ext measured weekly
  - Implement Test 7 P 2 or equivalent for SDCS by 1 March
  - Limit S-332 & 332D discharges to 165 cfs

What was ISOP 2000?



- Temporary Deviation to WCA-2A
- Temporary Deviation to WCA-3A

Interim Structural and Operational Plan



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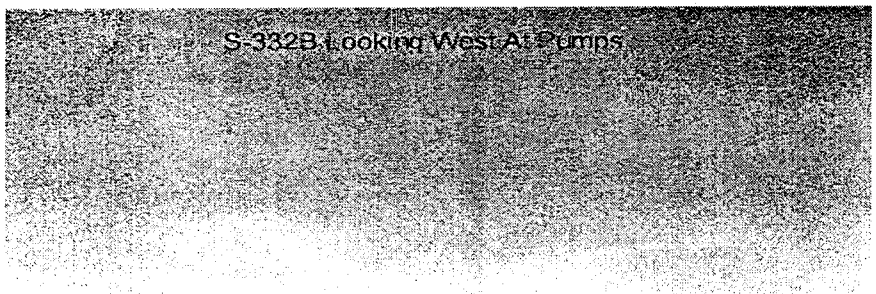
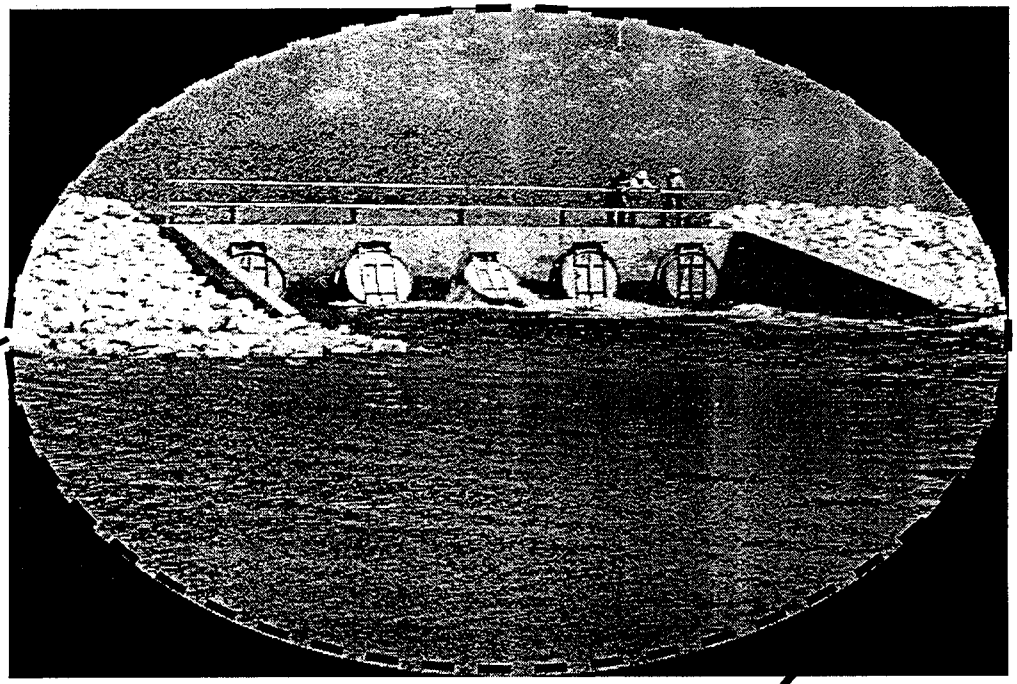
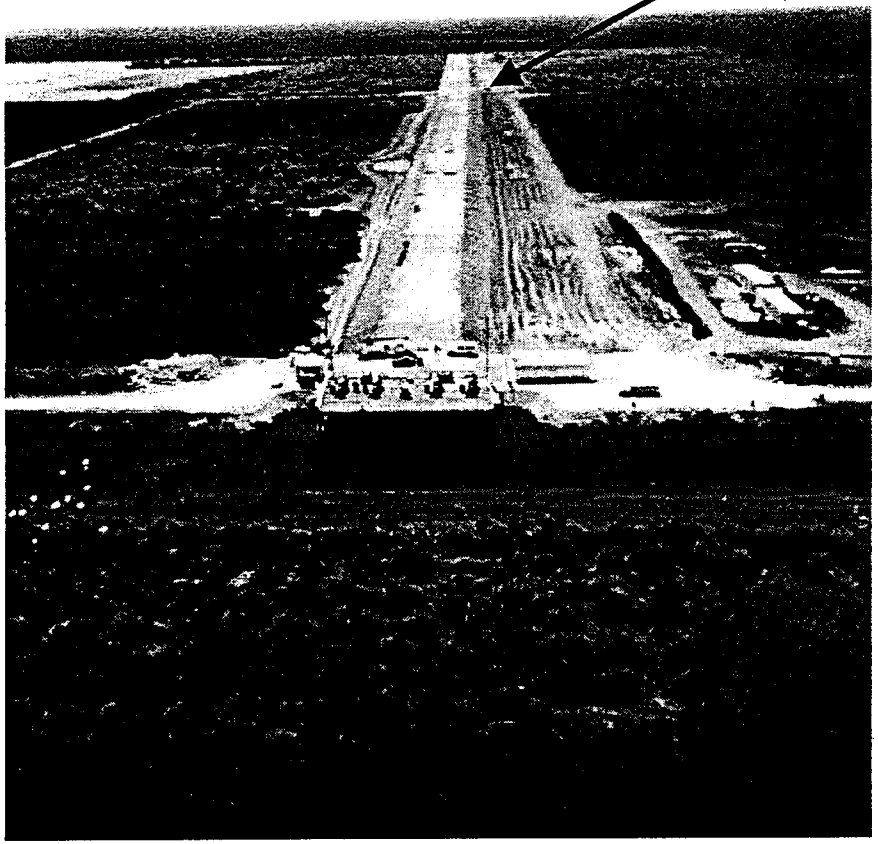
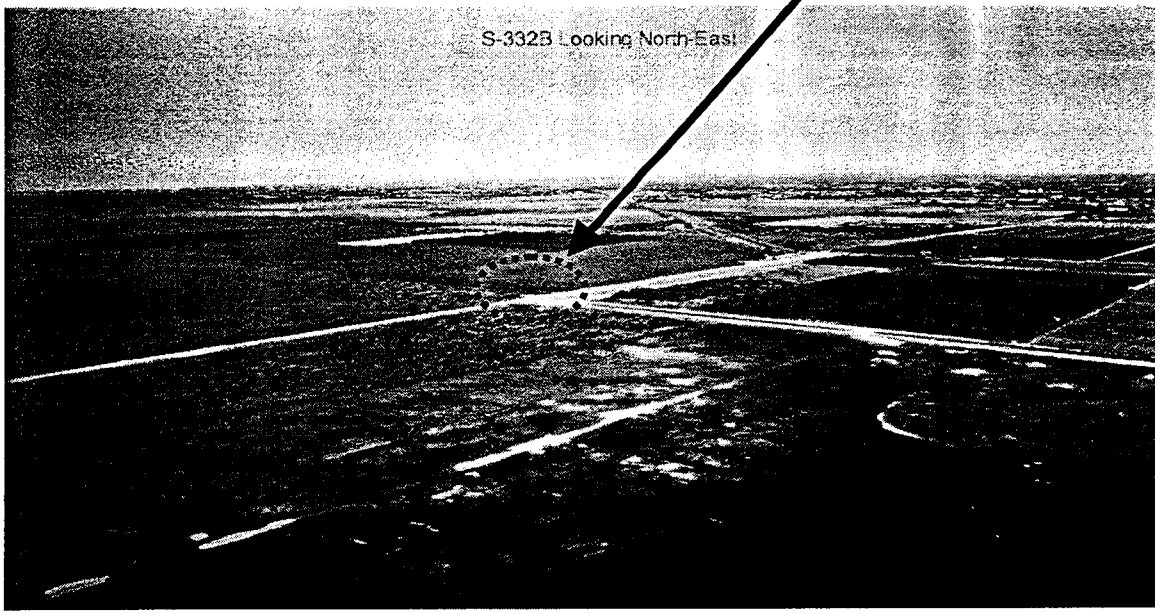
S-332B Concept

- Temporary 575 cfs Pump Station and detention area.
- Constructed within footprint of C-111 permanent pump station and detention area for land credit.
- Detention area re-hydrates eastern areas.
- Completed 13 April began pumping 17 April.


S-332B Looking West At Pumps

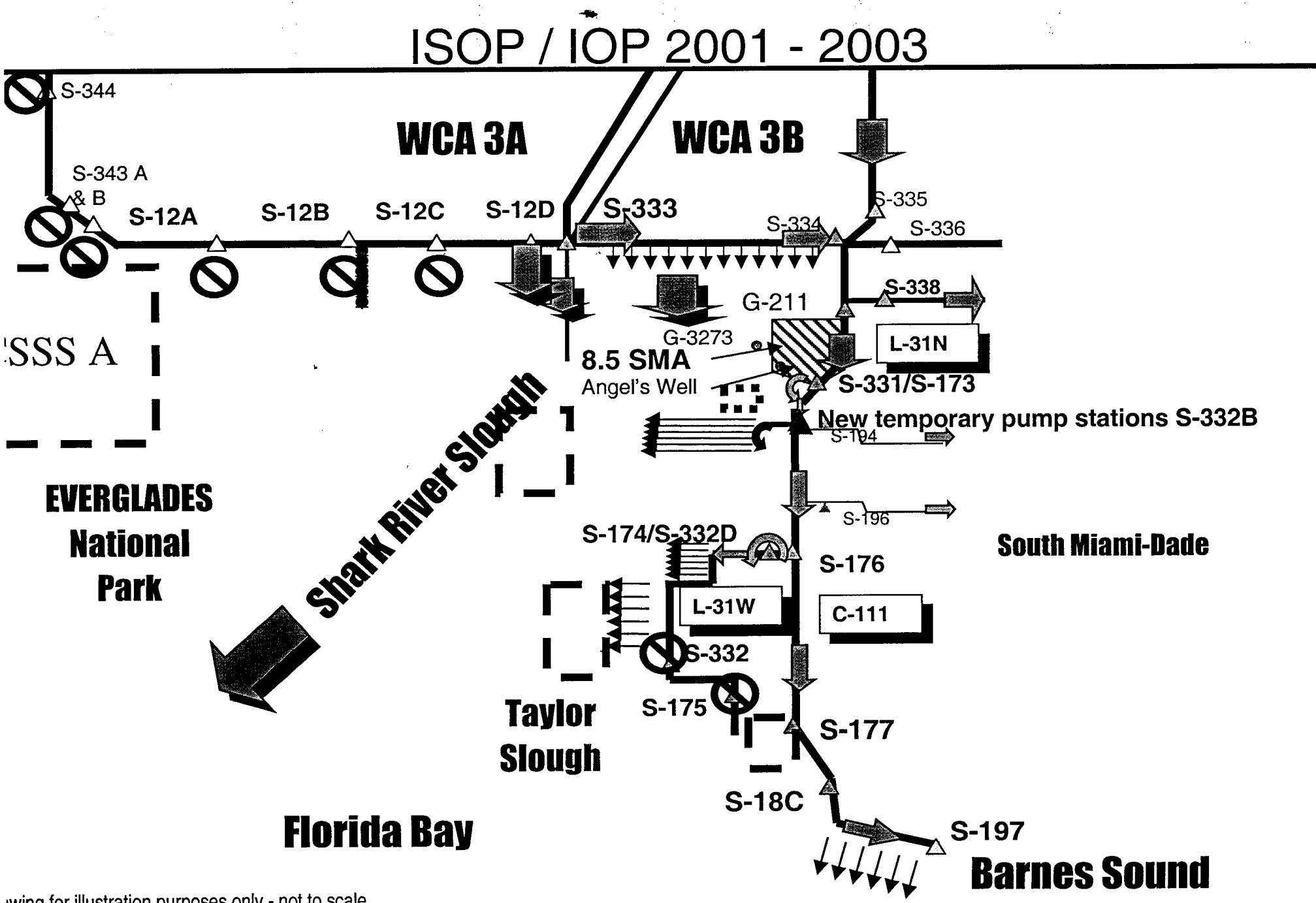





S-332B Looking North-East

ISOP 2001 vs. ISOP 2000

- No deviation to the WCA-2A reg. schedule
- Revised deviation to the WCA-3A reg. Schedule which allows for S-12D ops all year.
- Changes in pumping rate for certain months at S-332B and S-332D
- Overflow may occur more often at S-332B detention area to meet requirements for the sparrow - No Additional Detention Area



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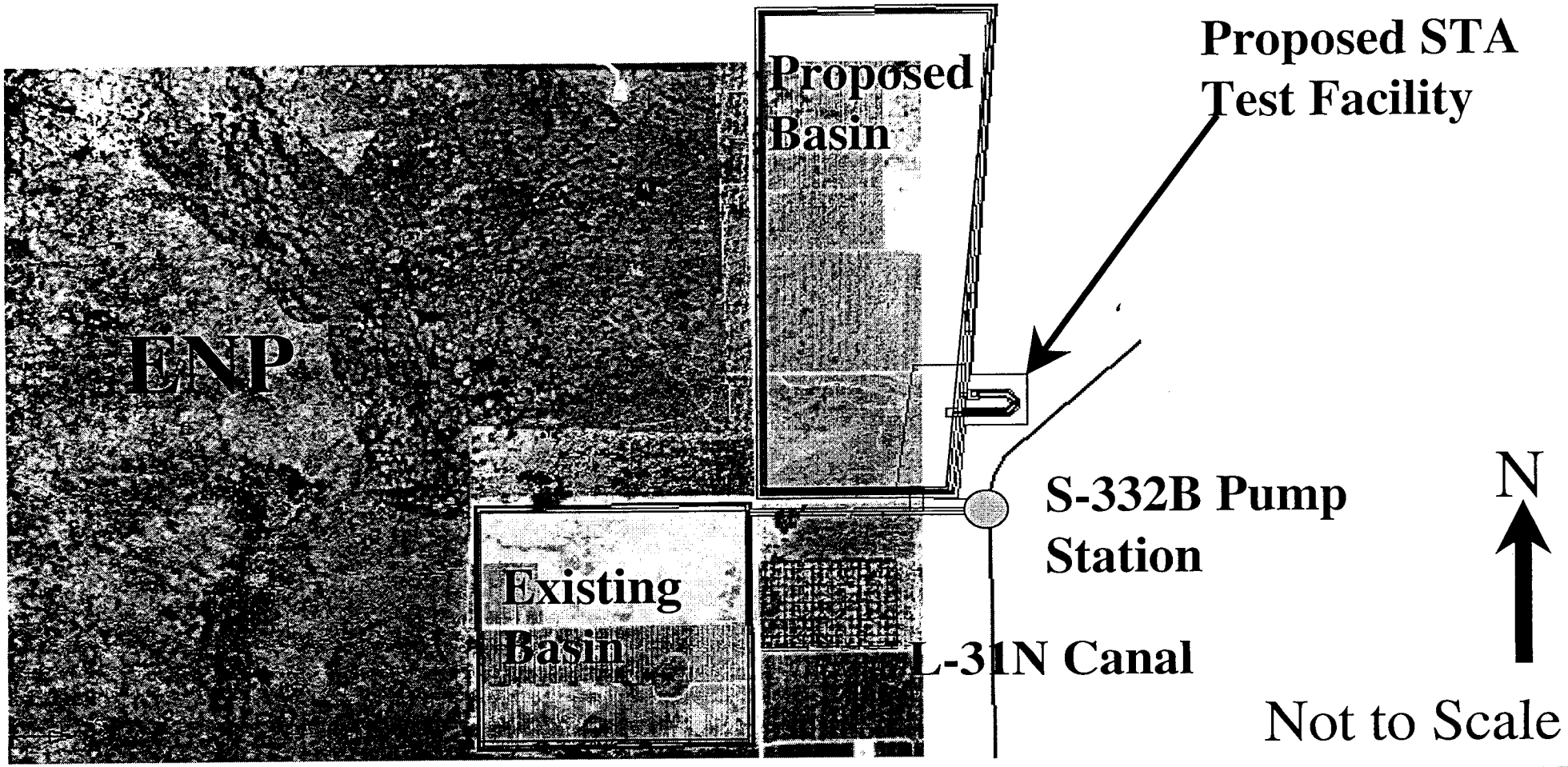
How is IOP different from ISOP 2001?

- ISOP 2001 = IOP Phase 1

- IOP Phase 2 = When the 8.5 SMA project is completed, then S-333 will not be cutback when water levels at G-3273 exceed 6.8 ft-NGVD.



Notes: Existing Basin ~ 155 Acres
New Basin ~ 245 Acres

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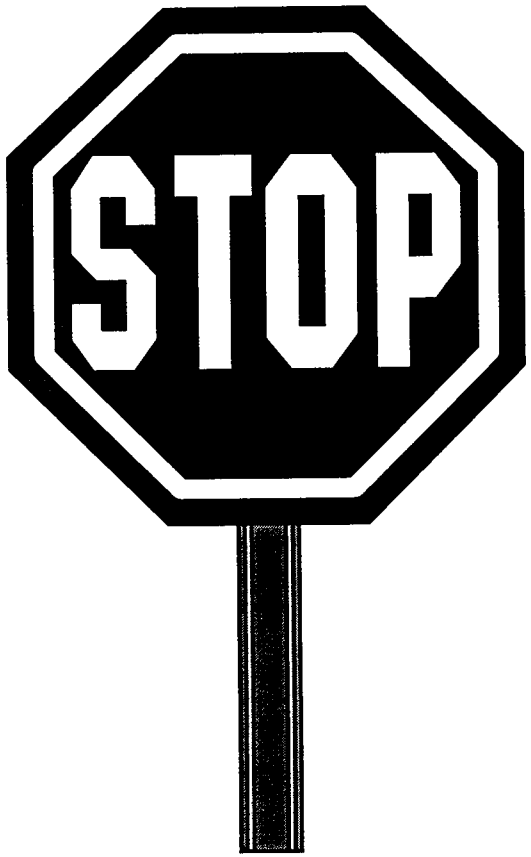
Jacksonville District

Additional Detention Area

- Not in Recommended IOP Plan
- Still One of the Alternative Plans
- FWS Info Reqts
- Public Comment

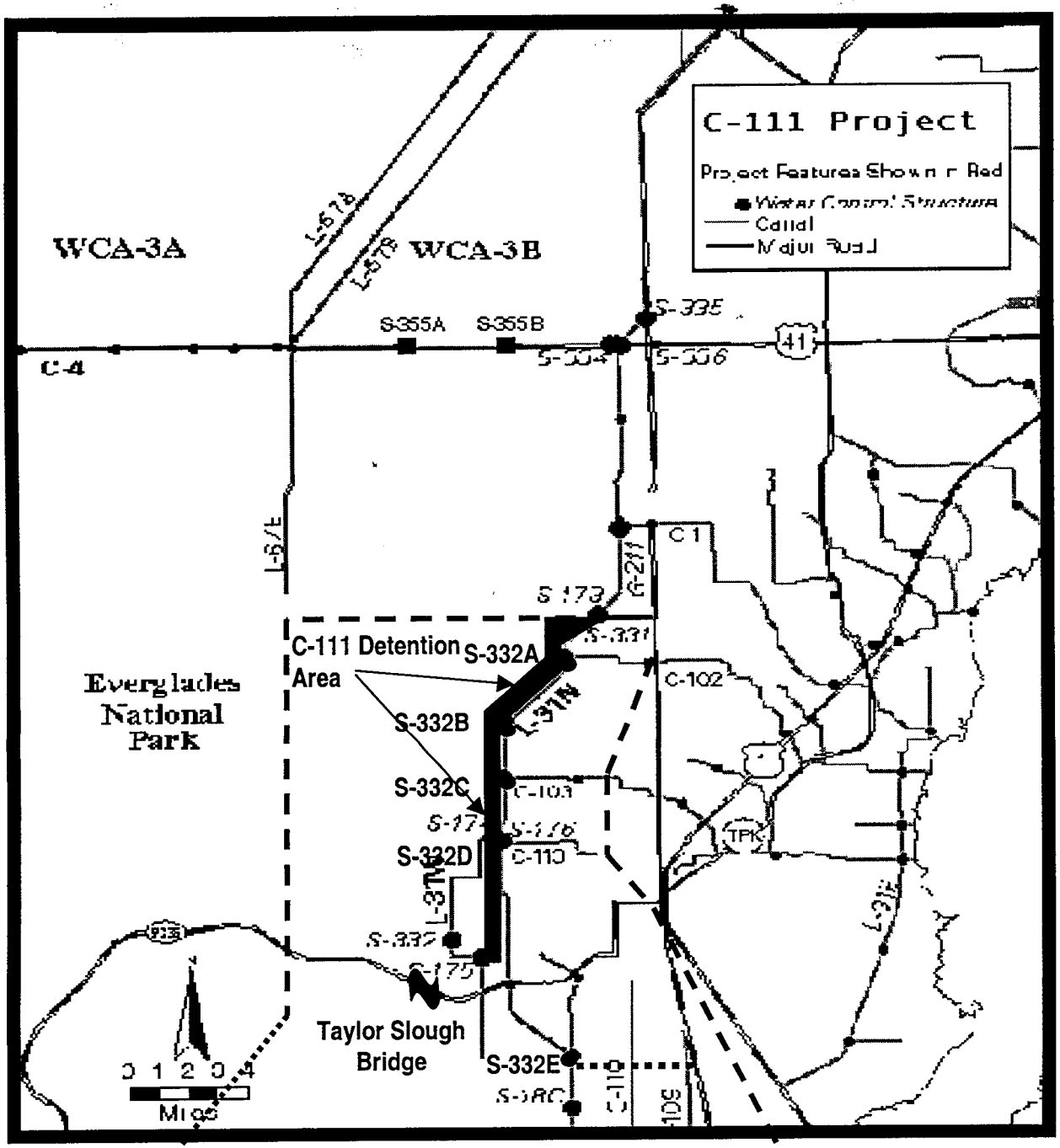


One Good Thing

- Emergency Orders for S332B and S332D
- Water Quality Data
- Corps Leadership - C-111
- WQ Placeholder

Combined Structural and Operational EIS for MWD and C-111

- Focus on the Future
- Kickoff EIS Scoping - 30 Jan 01
- Know the pieces, now ready to analyze the operations of the entire system
- Need CSSS Targets Once MWD and C-111 in place

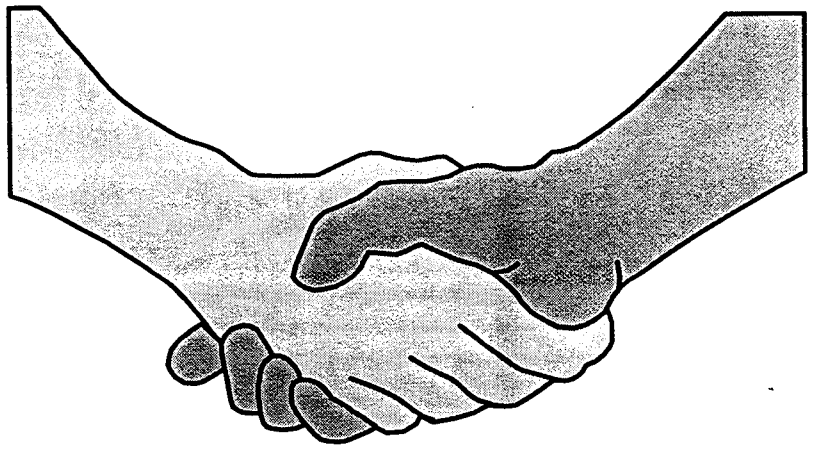


C-111 Project Hydrologic Ridge Between ENP and East of L-31N

Purpose of C-111GRR

- Land Credits to SFWMD
- Land Swap between SFWMD/ENP
- Water Quality

Goal of Today

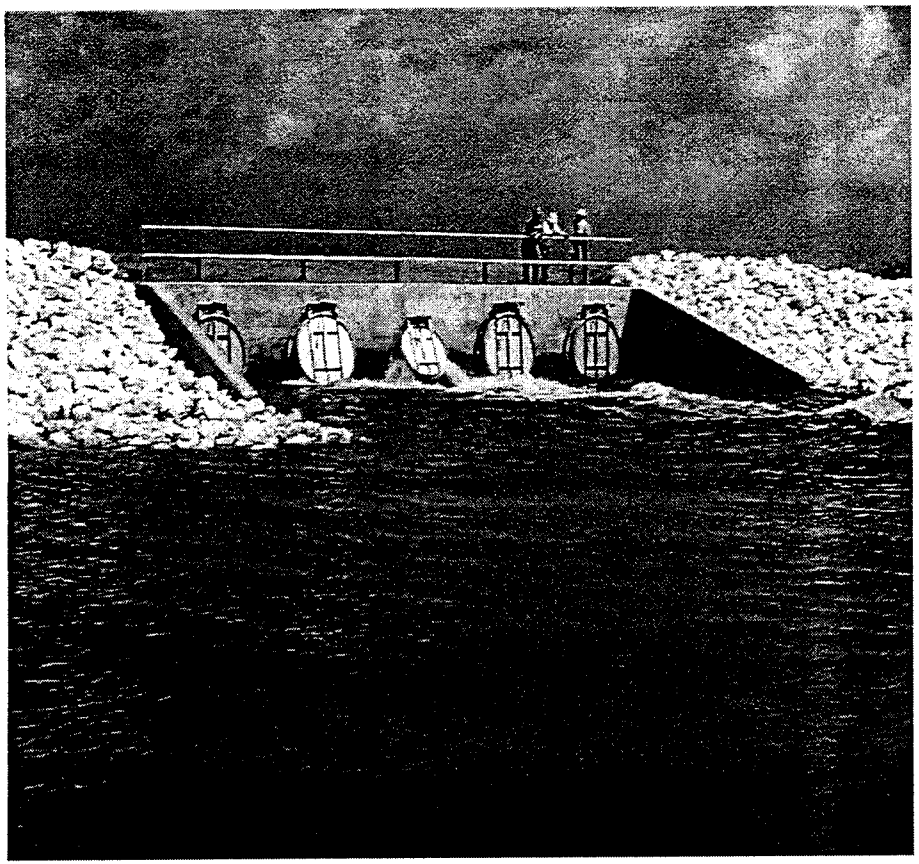


- United Front of Support for GRR Supplement
- Clear Understanding of Future Actions of C-111 Project
- Enough Detail To Inform Our Perspective Decision Makers

C-111 Status/Future

- 1994 - C111 Project Approved
- 1996 - WRDA
  - WQ Authority
  - Cost Shared 50/50 including land
- Jul 00 - Draft GRR Supplement/EA
- Sep 00 - Closed Public Comment Period
- Mar 00 - Final GRR Supplement/EA to Governing Board and SAD/CECW

Public Comments Need To Tell The Story Better

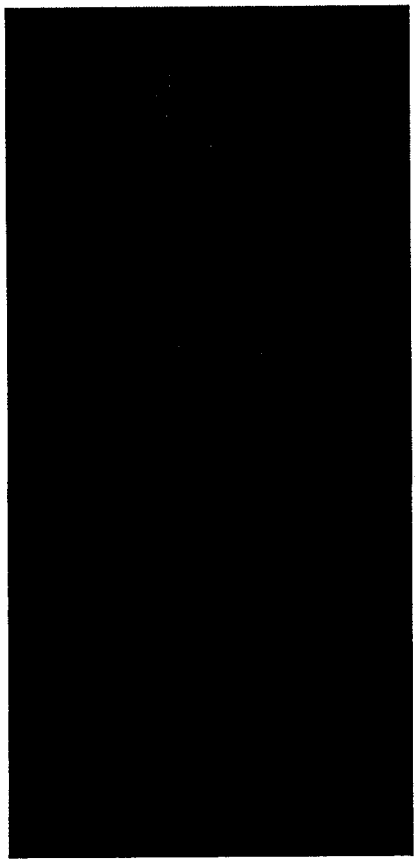


- S332D - 575 cfs
- CSSS ISOP/IOP
- S332B
- Ongoing WQ Data
- Ongoing CSSS Lawsuits
- TOC Involvement

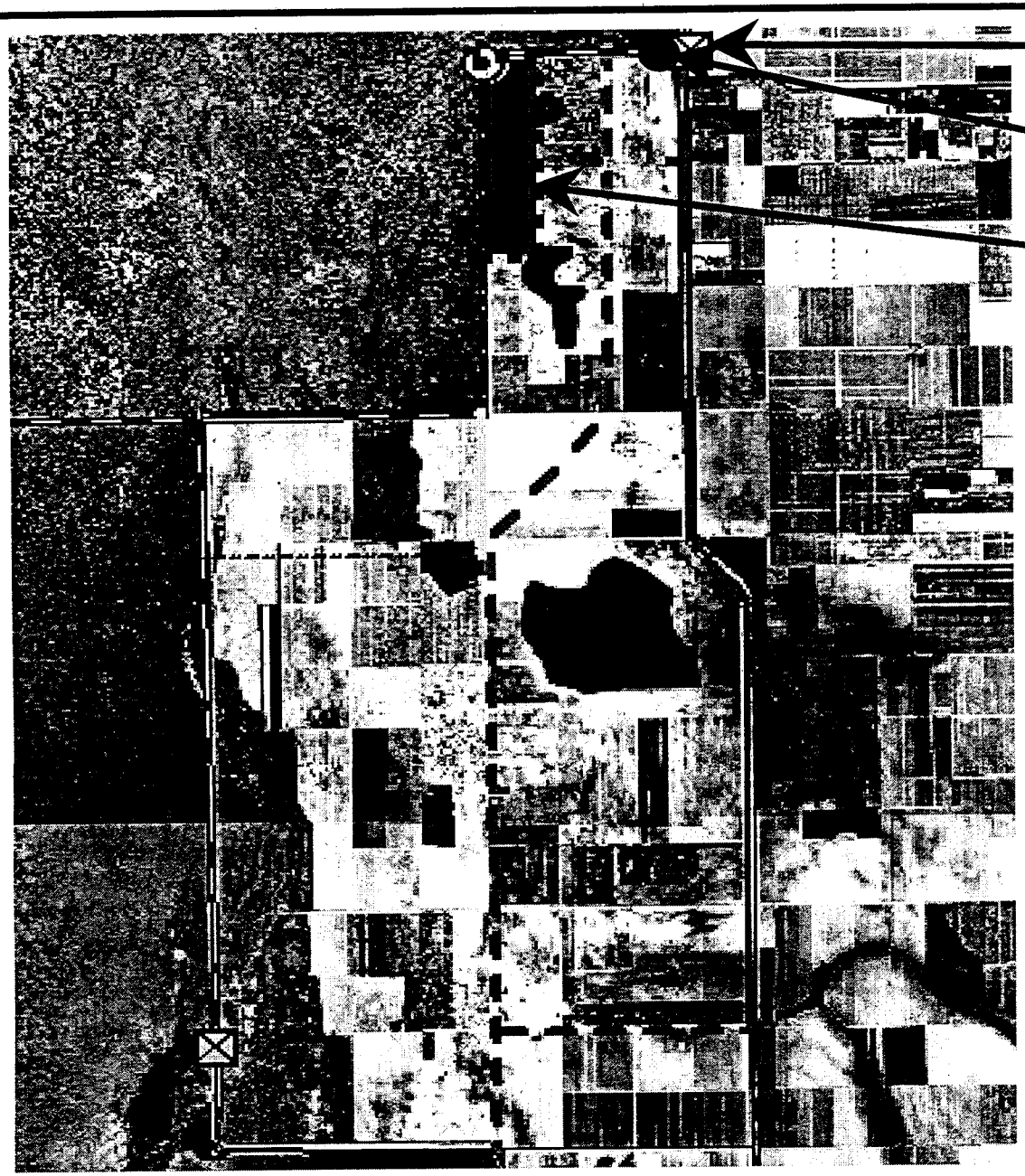
FOCUS

- Conceptual Flexible WQ Plan
  - Placeholder
  - Costs
  - Decision Makers
- Field Test PSTA/SAV

Still A lot of Unknowns



- Combined Structural and Operational EIS for C111/MWD
  - Kickoff EIS - Jan 01
  - Know the pieces, now ready to analyze the operations of the entire system
- WQ Data Ongoing
- Field Test PSTA/SAV



GOOD NEWS!

N

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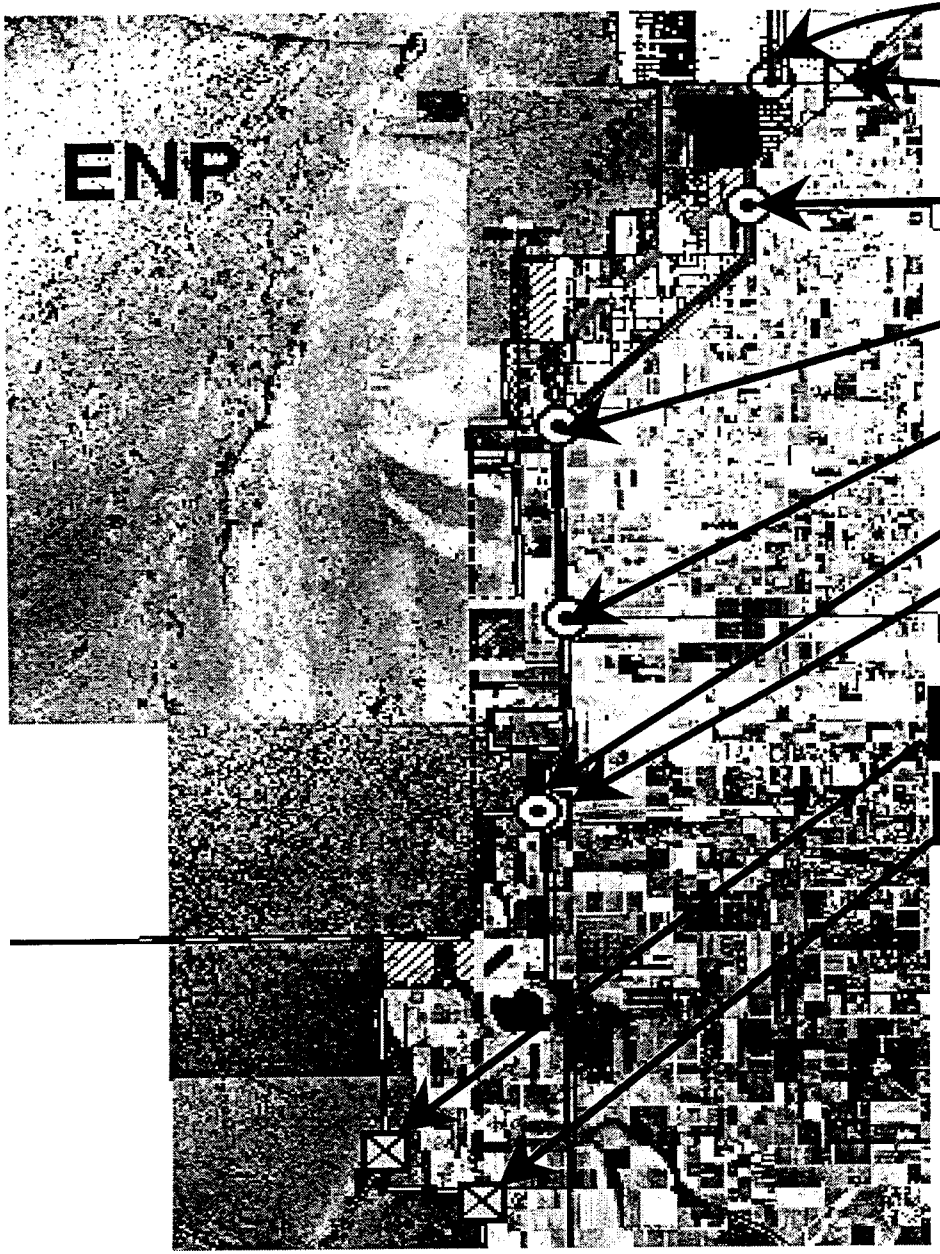
Jacksonville District

Field Test

- Viability
- Effectiveness
- Sustainability
- Beneficial for MWD and C-111
- Funded with MWD $$
- Conceptual Design - GRR Pg 6-19 thru 22
- Need Input - Peter B. - Conceptual Design

Recommended Conceptual Water Quality Plan

- Conceptual Flexible WQ Plan
  - Placeholder
  - Costs
  - Decision Makers
- GRR - Pg 6-23 - 26
- Need Input - Chris Brown



N

Not to Scale

Location of C-111 Existing and Proposed Structures

Figure X2

US Army Corps of Engineers
Jacksonville District

Location of C-111 Project Features

Figure X3

US Army Corps of Engineers
Jacksonville District

Proposed S-332B Detention Pond

Existing S-332B Detention Pond

Proposed L-31W Tie-Back Levee Start

Proposed S-332D Tie-Back Levee Start

Proposed Divider Levee

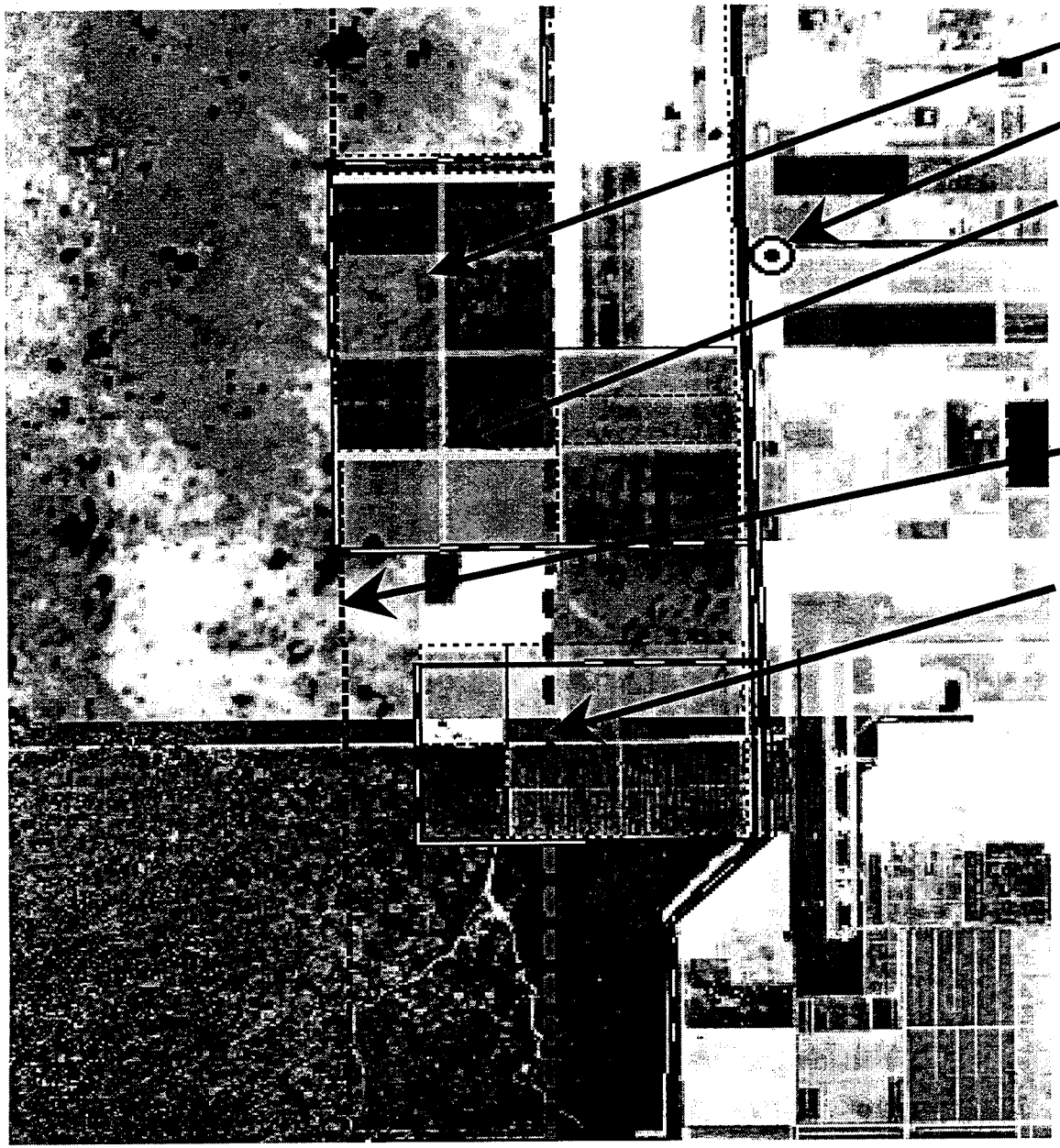
N

Not to Scale

Location of C-111 Project Features

Figure X4

US Army Corps of Engineers
Jacksonville District



Not to Scale

Location of C-111 Project Features

Figure X5

US Army Corps of Engineers
Jacksonville District

Not to Scale

Location of C-111 Project Features

Figure X6

US Army Corps of Engineers
Jacksonville District

C-111 GRR Supplement

Need your input and support