

CENTRAL EVERGLADES PLANNING PROJECT



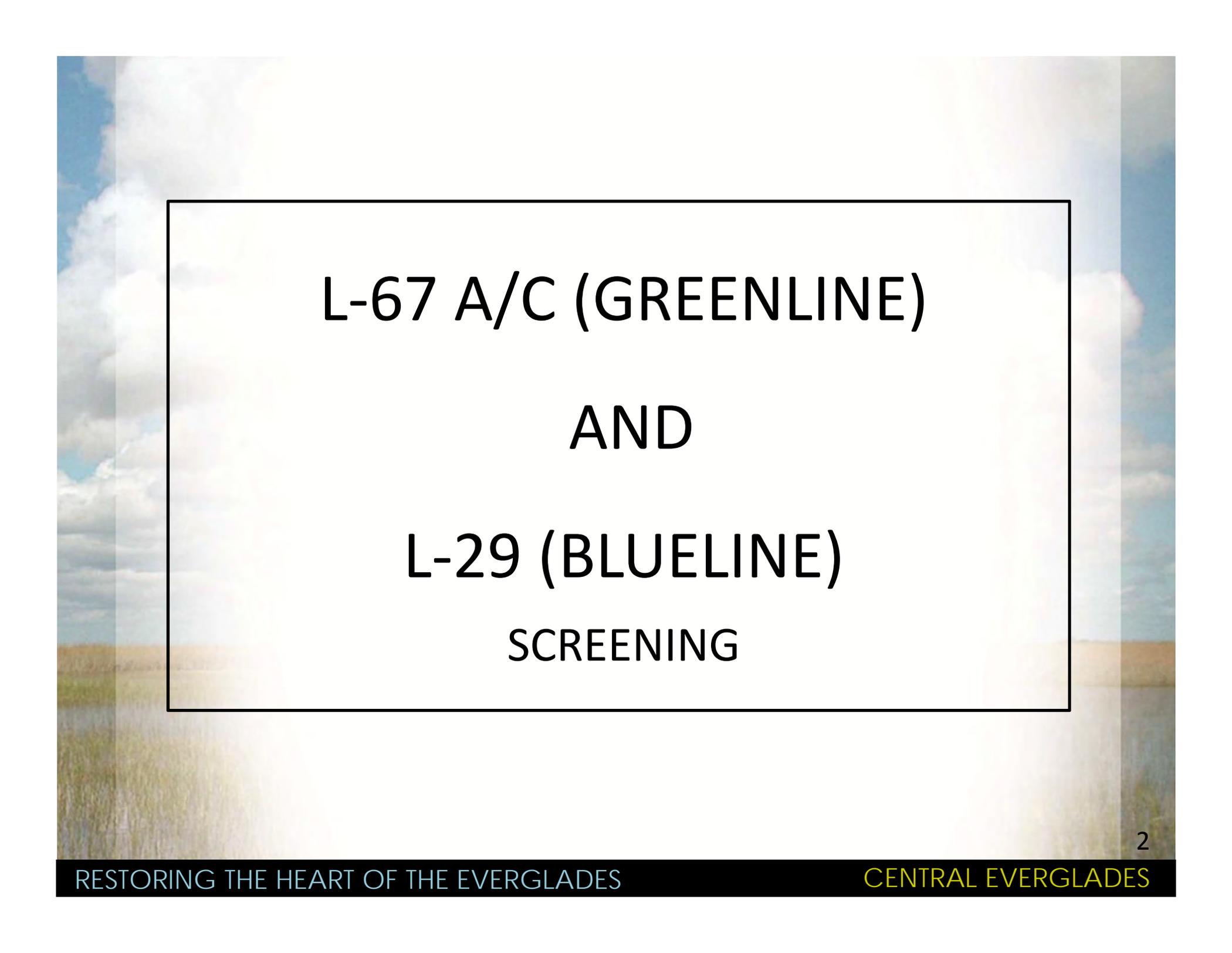
*Restoring the Heart
of the Everglades*

Working Group
Sponsored
Public
Workshop -
L-67 A/C and
L-29 Levees

PRESENTED BY

Brad Foster

August 30, 2012



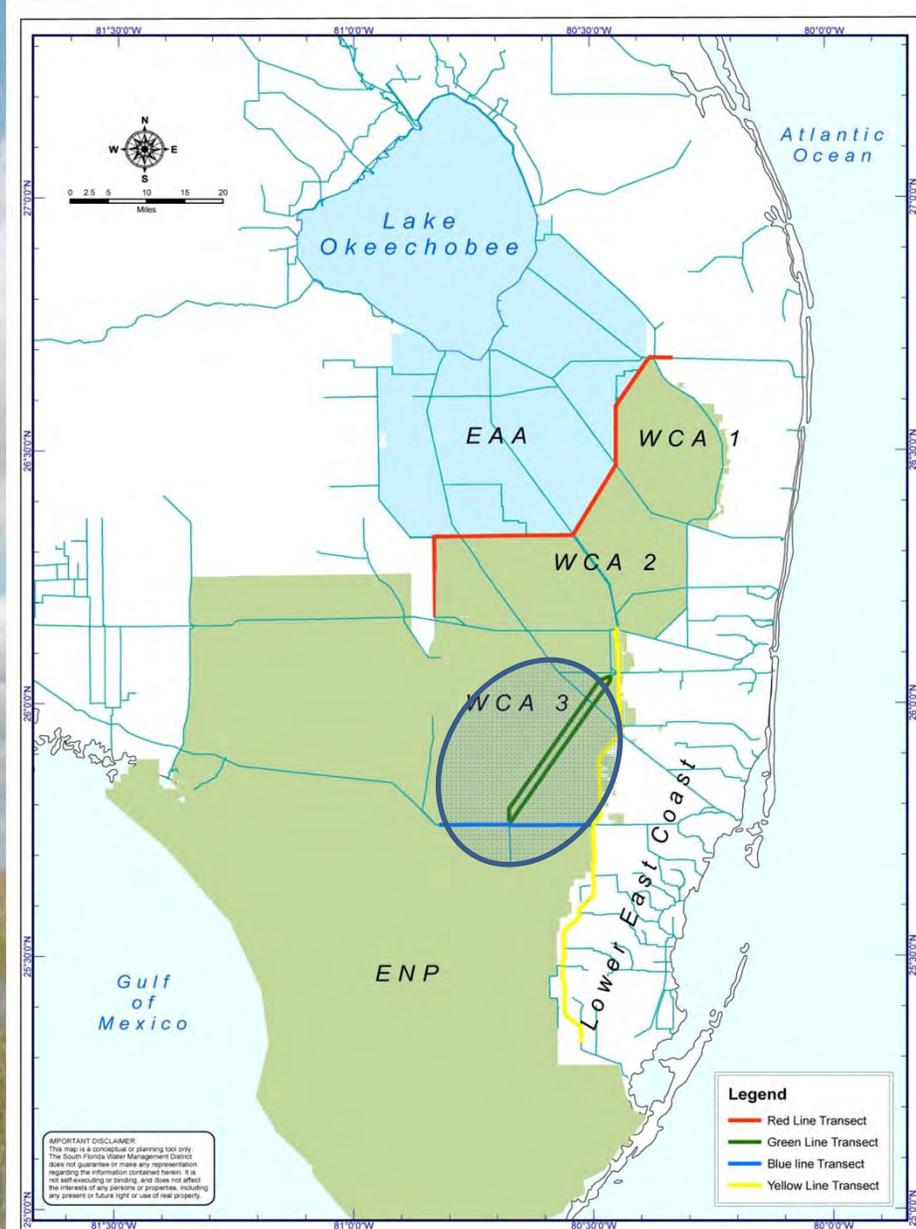
L-67 A/C (GREENLINE)

AND

L-29 (BLUELINE)

SCREENING

Formulation With a Spatial Perspective



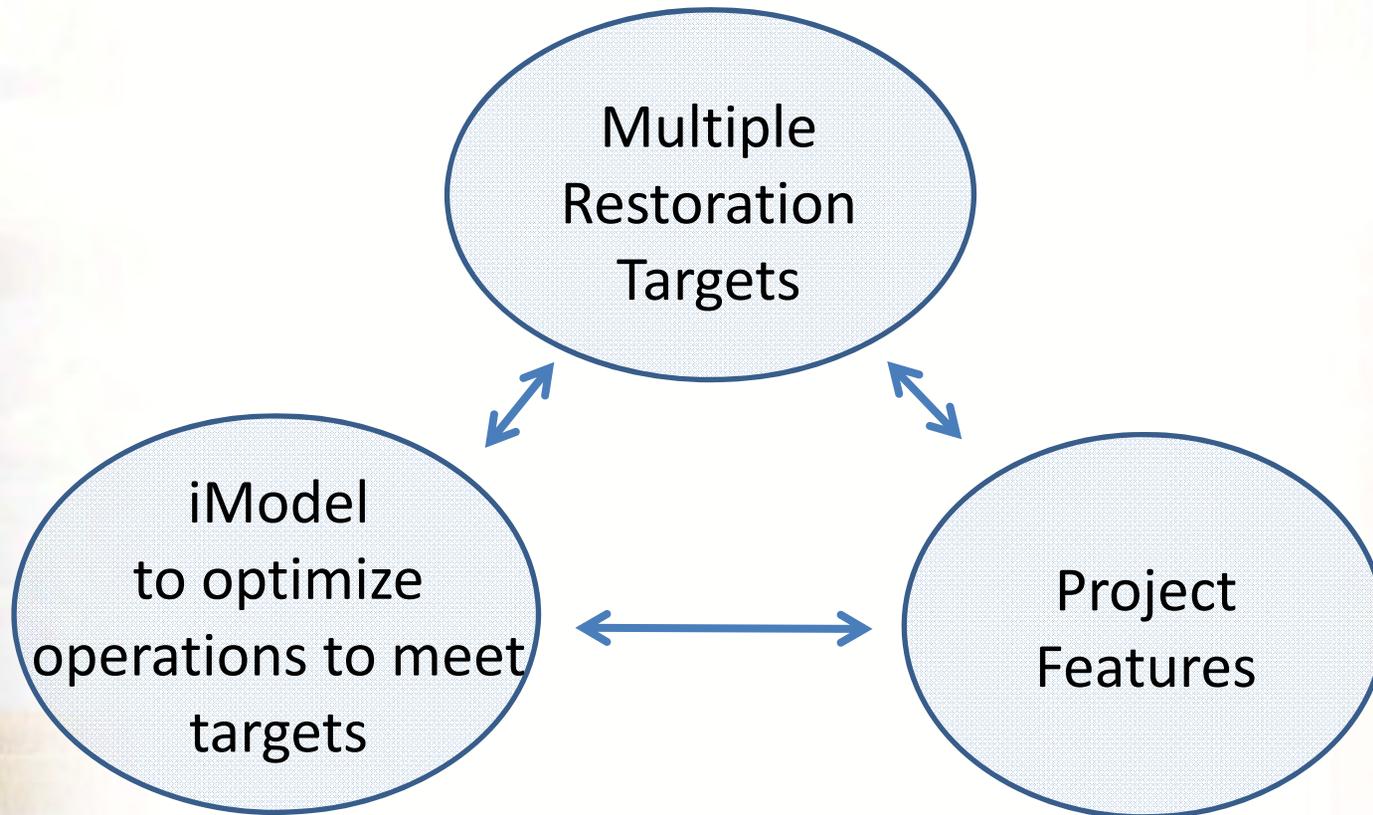
REDLINE –Everglades Agricultural Area (EAA) and the WCA 3A (L-4, L-5 and L-6 levees and canals)

GREENLINE – WCA 3A and WCA 3B (L-67A and C levees and associated canals)

BLUELINE - WCA 3A/3B and Everglades National Park (ENP) (Tamiami Trail roadway and L-29)

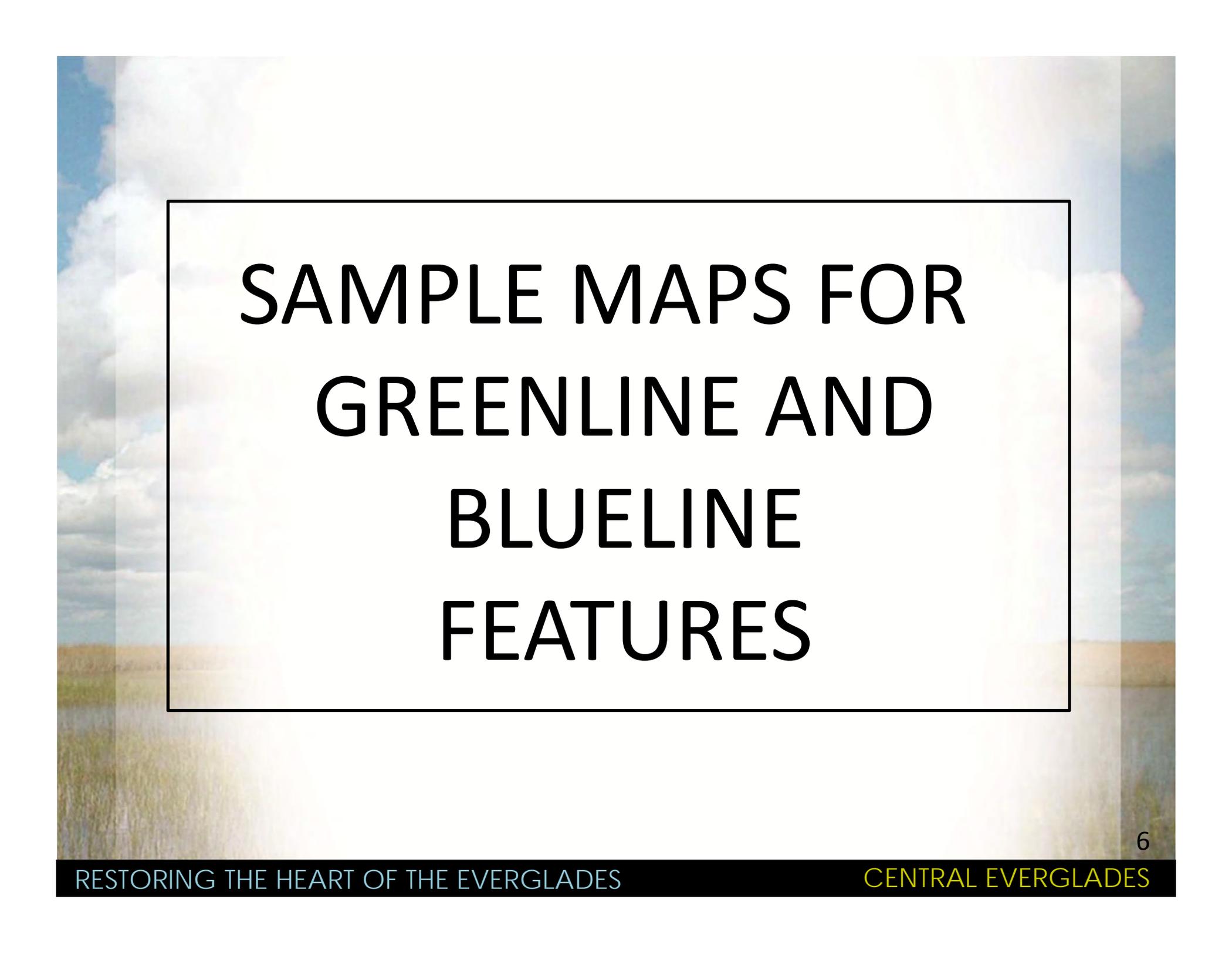
YELLOWLINE –WCA 3A/3B and ENP to the lower east coast (east coast protective levee system, the L-30 and L-31N)

Overview of Screening



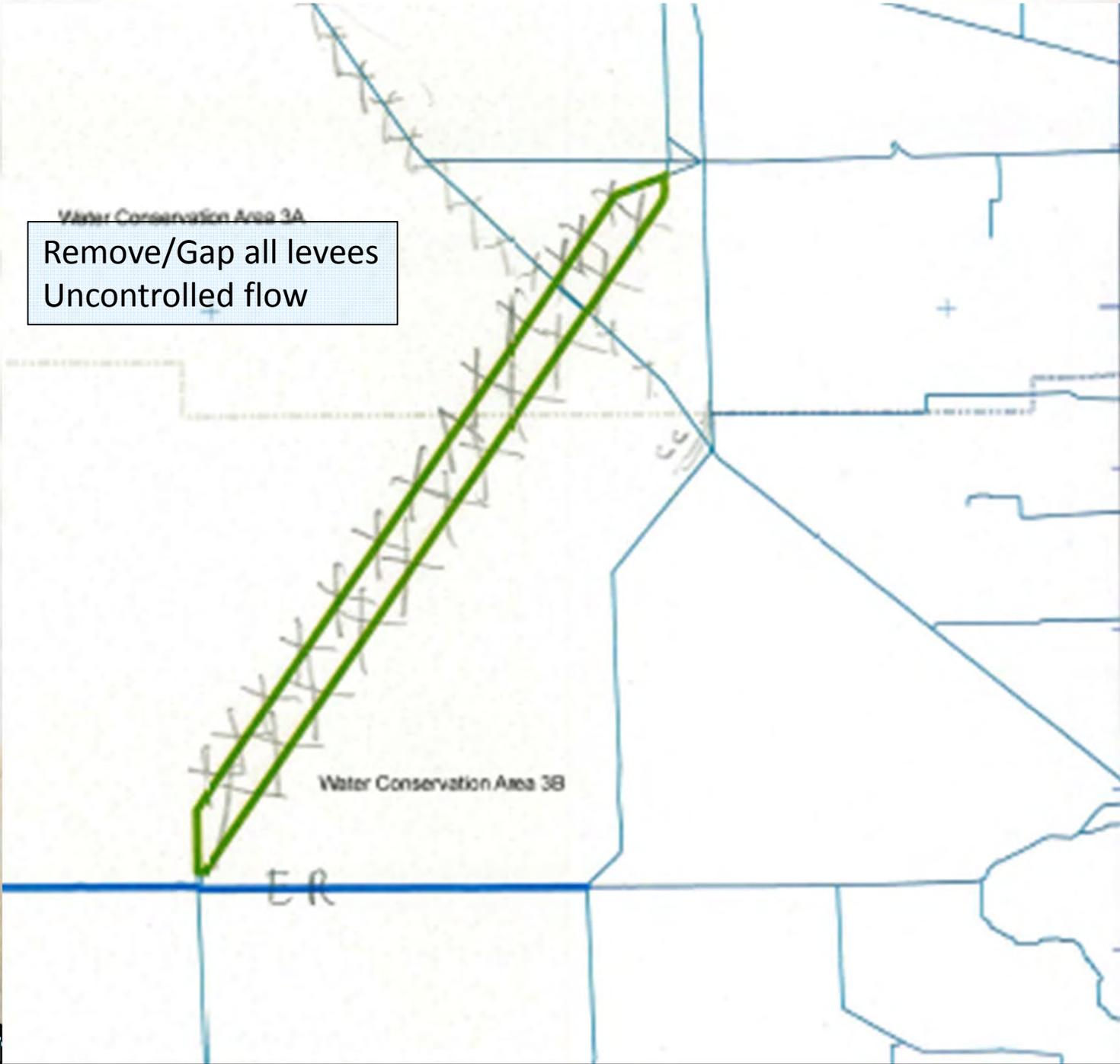
Previous Public and Agency Workshops on Features

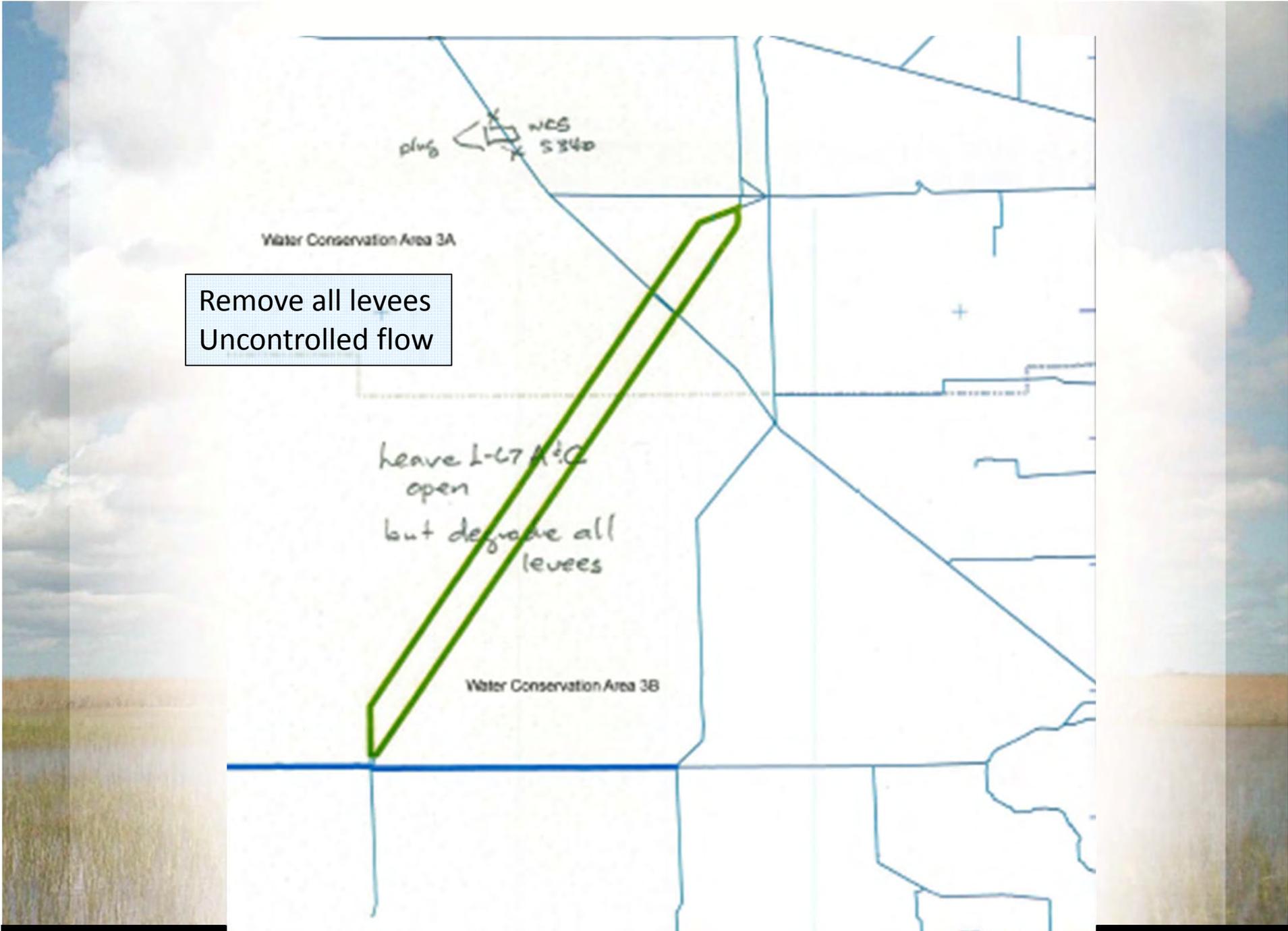
- Working Group workshop held March 3, 2012 –
 - ▶ Maps of features north of the Redline – Everglades Agricultural Area
- Working Group workshop held May 15, 2012 –
 - ▶ Maps of features south of the Redline – Hydropattern Restoration Feature, Miami Canal, L-67 A/C, Tamiami Trail, and seepage management
- Project Delivery Team meeting May 31, 2012
 - ▶ Maps HRF and Miami Canal
- Project Delivery Team meeting July 31, 2012
 - ▶ Maps L-67 A/C, Tamiami Trail, and seepage management

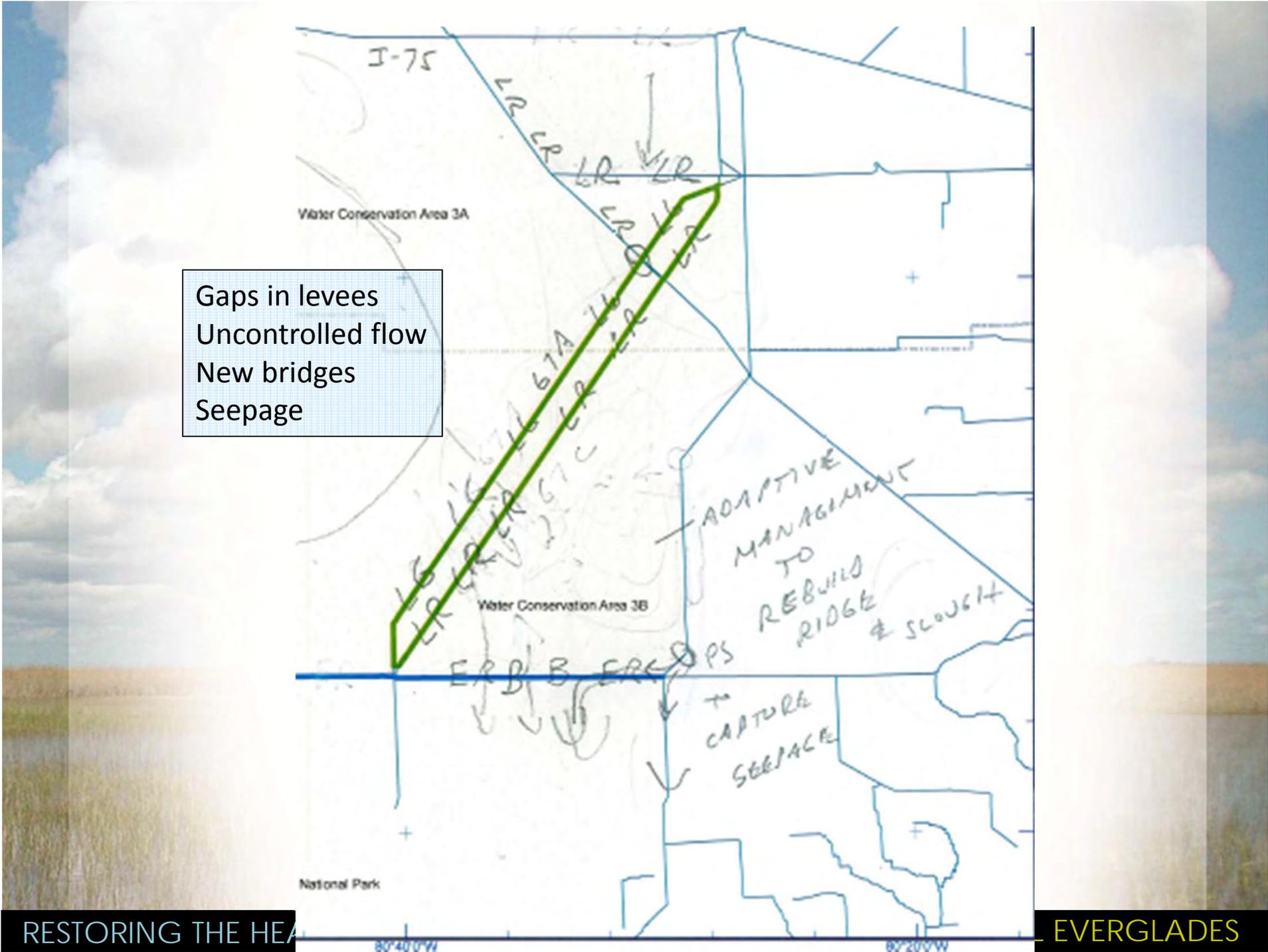


SAMPLE MAPS FOR GREENLINE AND BLUELINE FEATURES

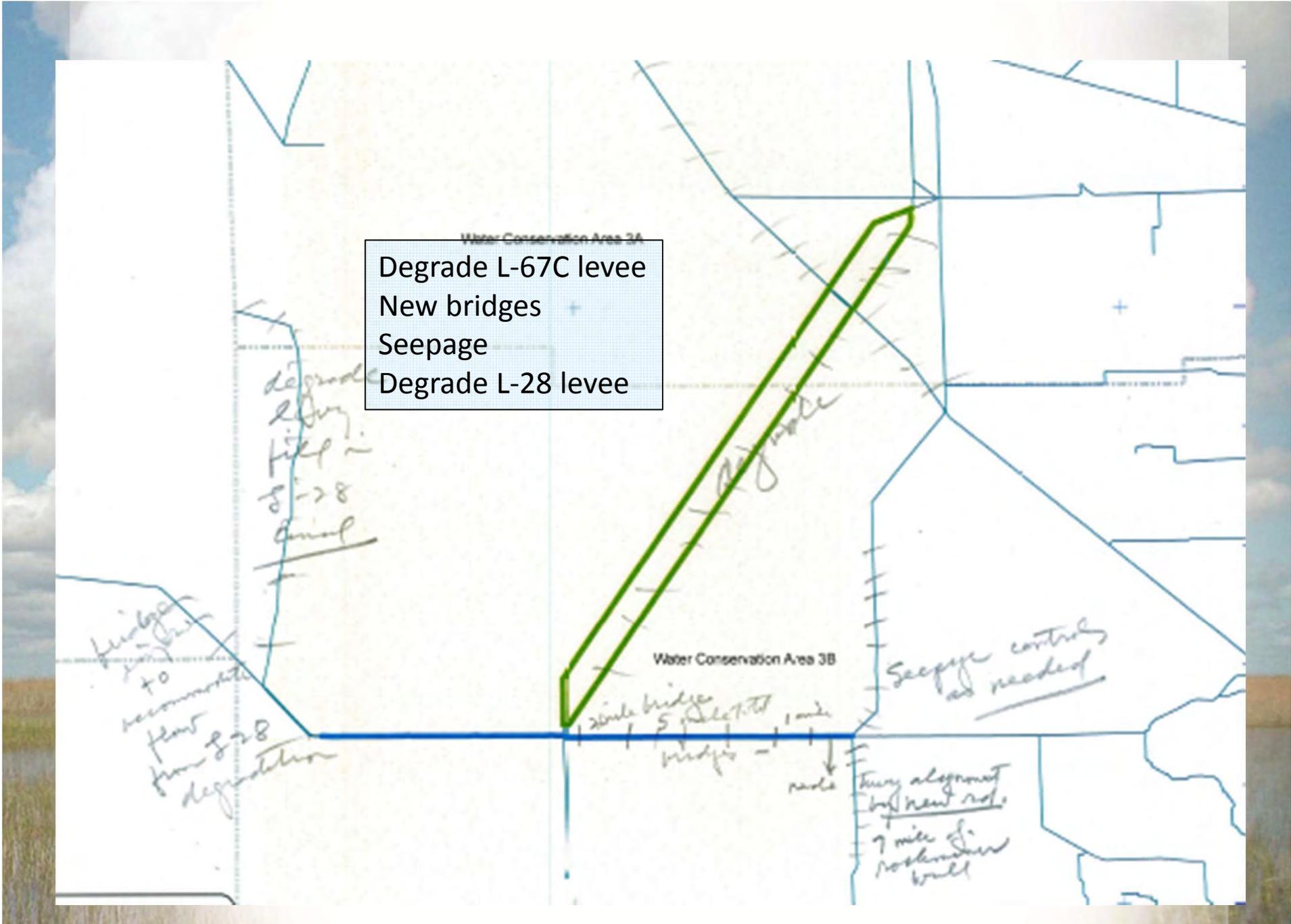
Remove/Gap all levees
Uncontrolled flow



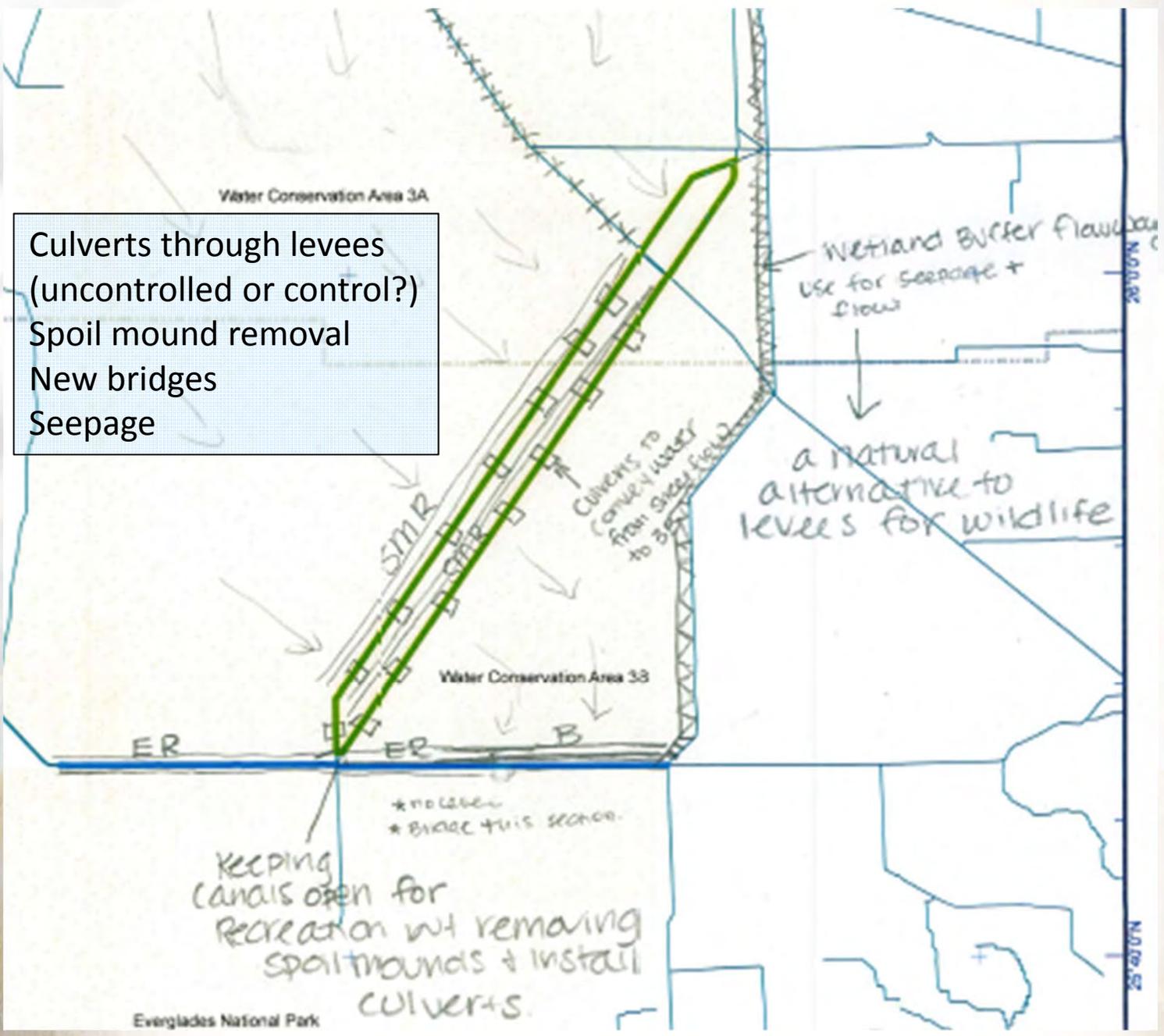




Gaps in levees
Uncontrolled flow
New bridges
Seepage

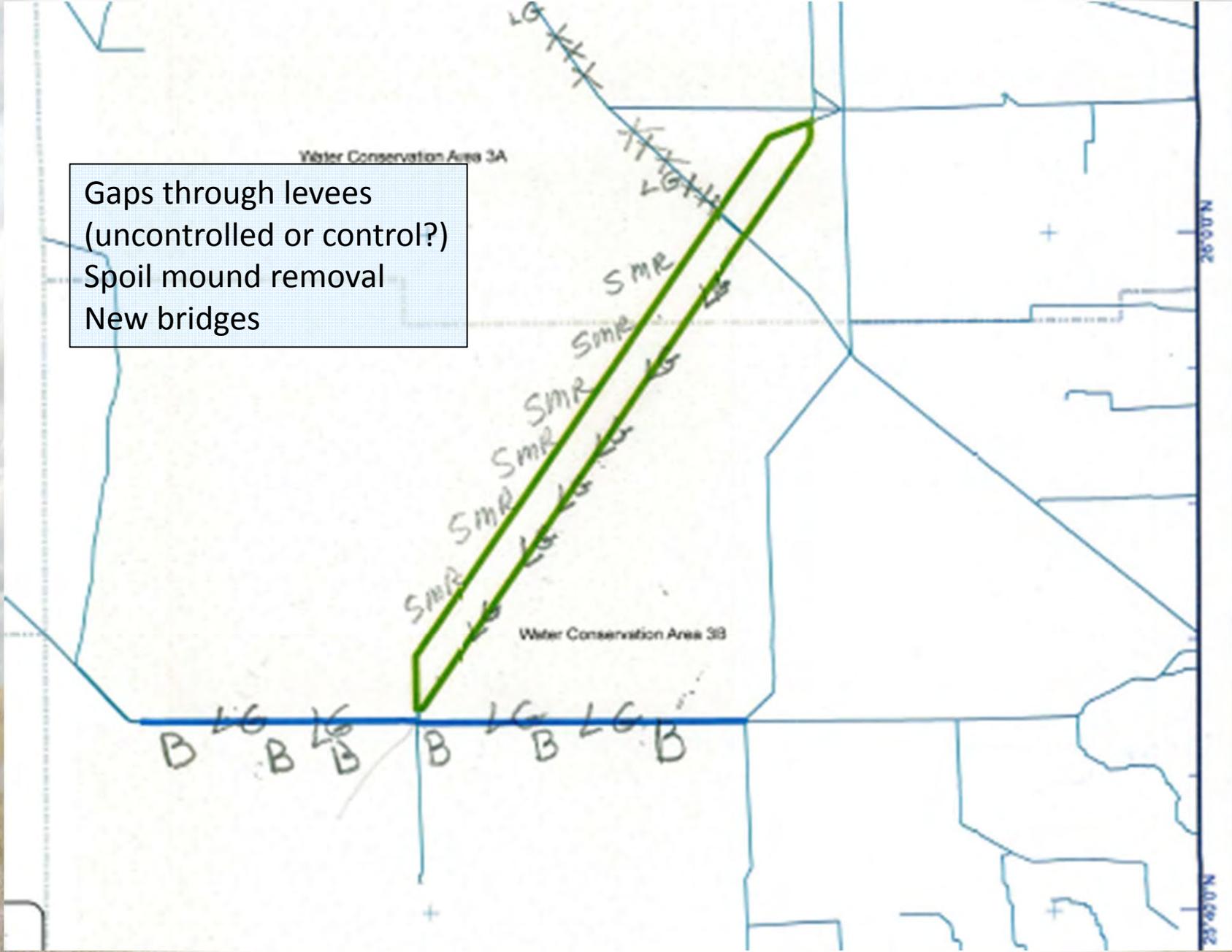


Culverts through levees
(uncontrolled or control?)
Spoil mound removal
New bridges
Seepage

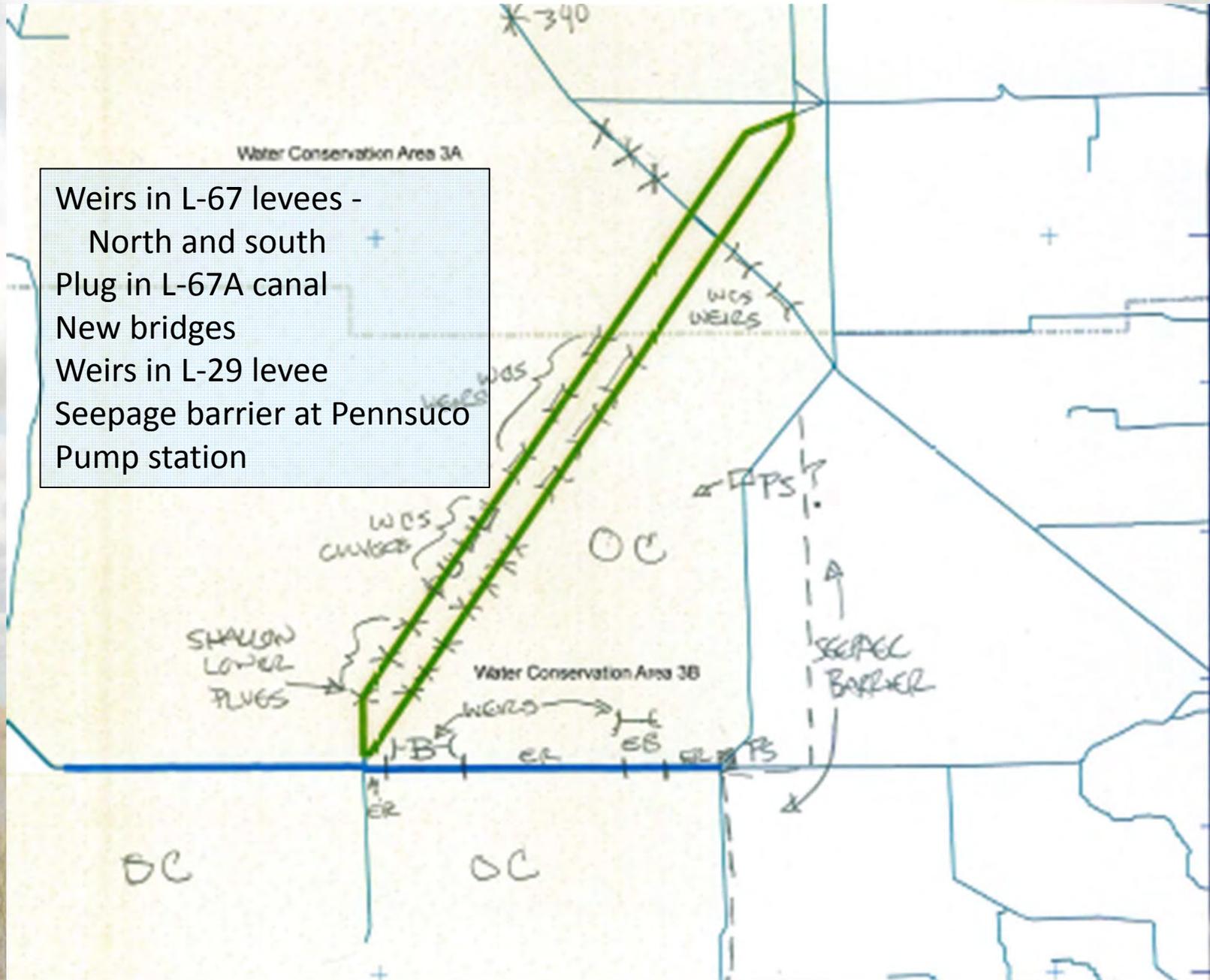


Everglades National Park

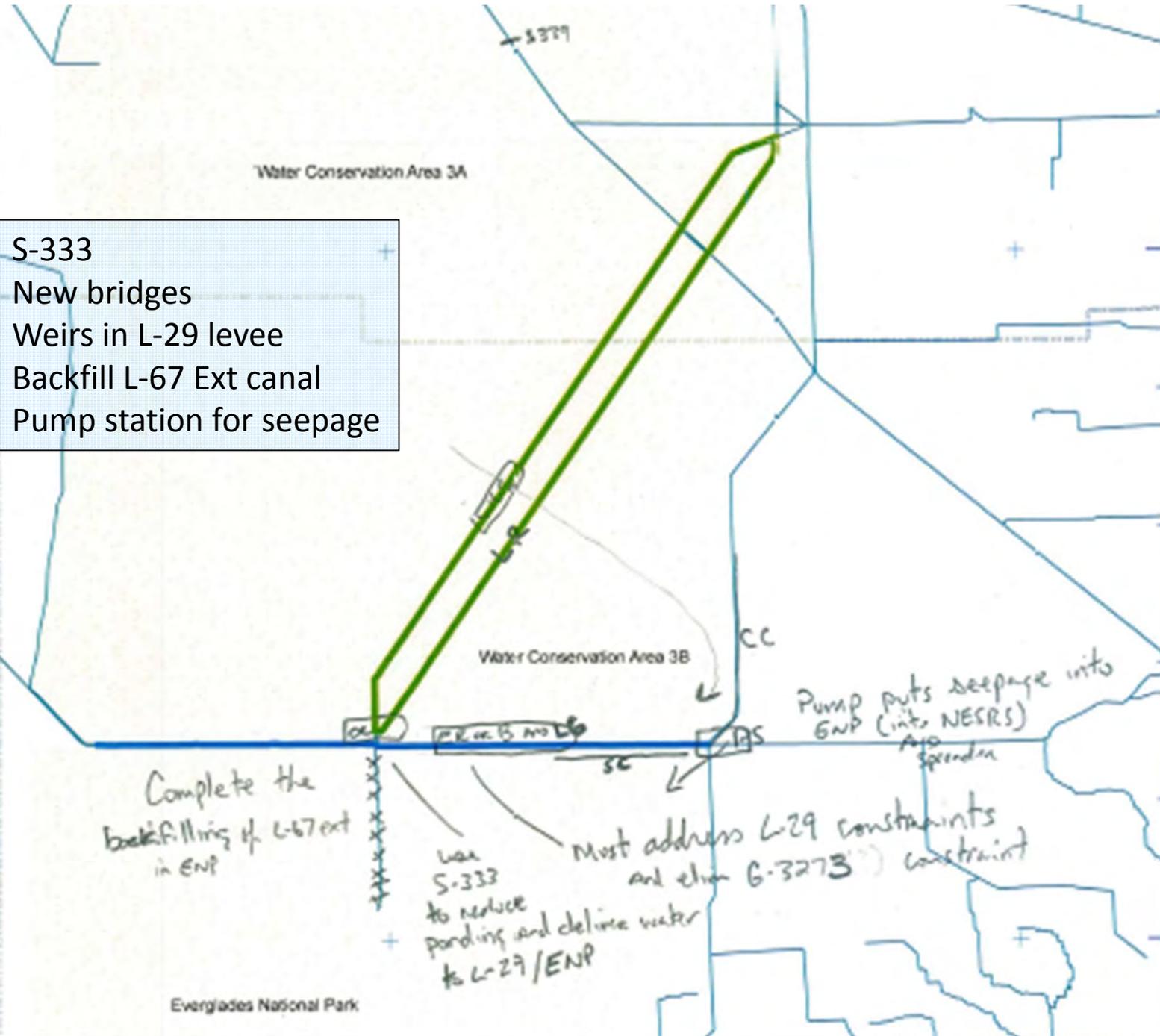
Gaps through levees
(uncontrolled or control?)
Spoil mound removal
New bridges

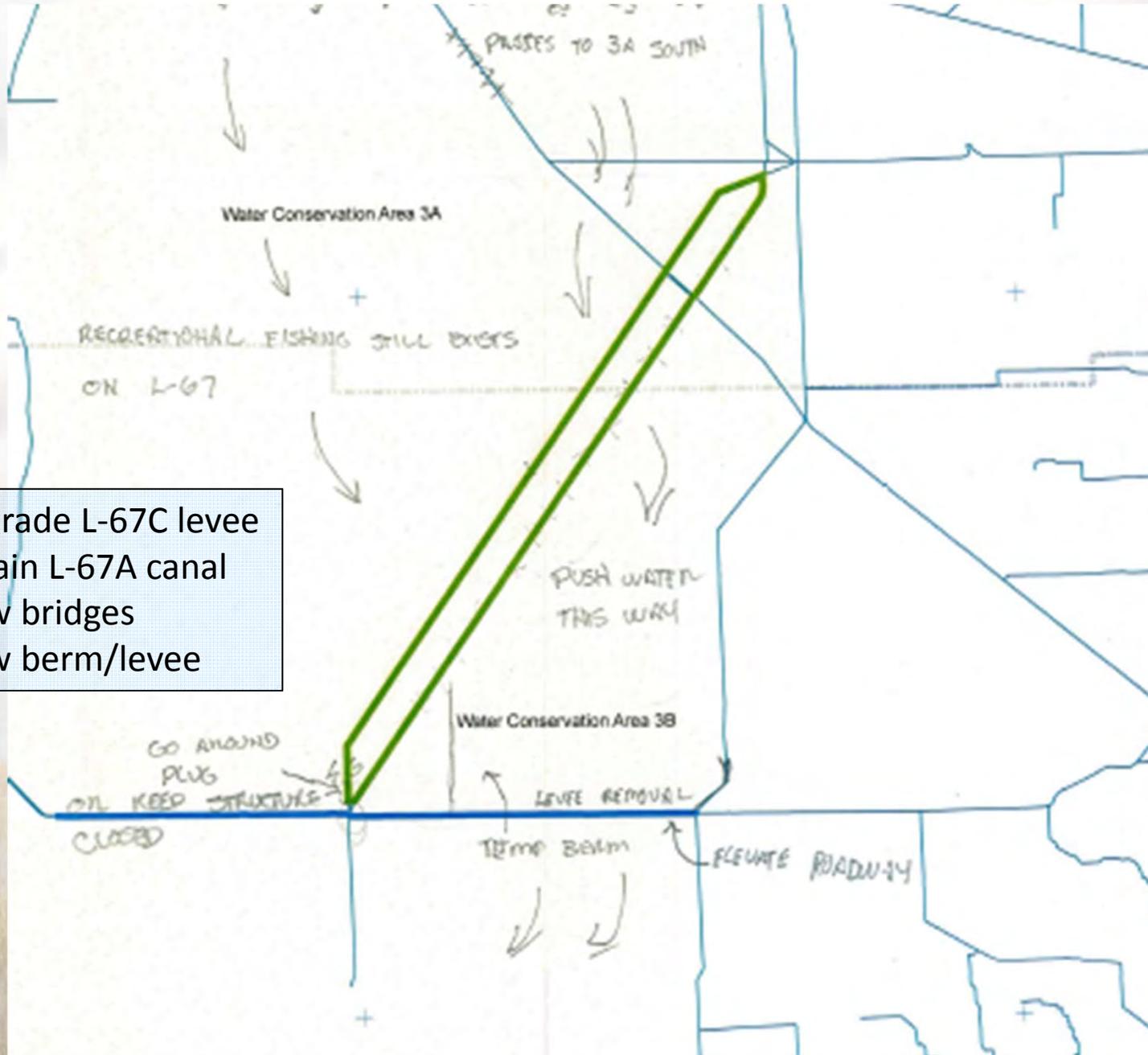


Weirs in L-67 levees -
North and south
Plug in L-67A canal
New bridges
Weirs in L-29 levee
Seepage barrier at Pennsuco
Pump station



S-333
New bridges
Weirs in L-29 levee
Backfill L-67 Ext canal
Pump station for seepage





Degrade L-67C levee
Retain L-67A canal
New bridges
New berm/levee

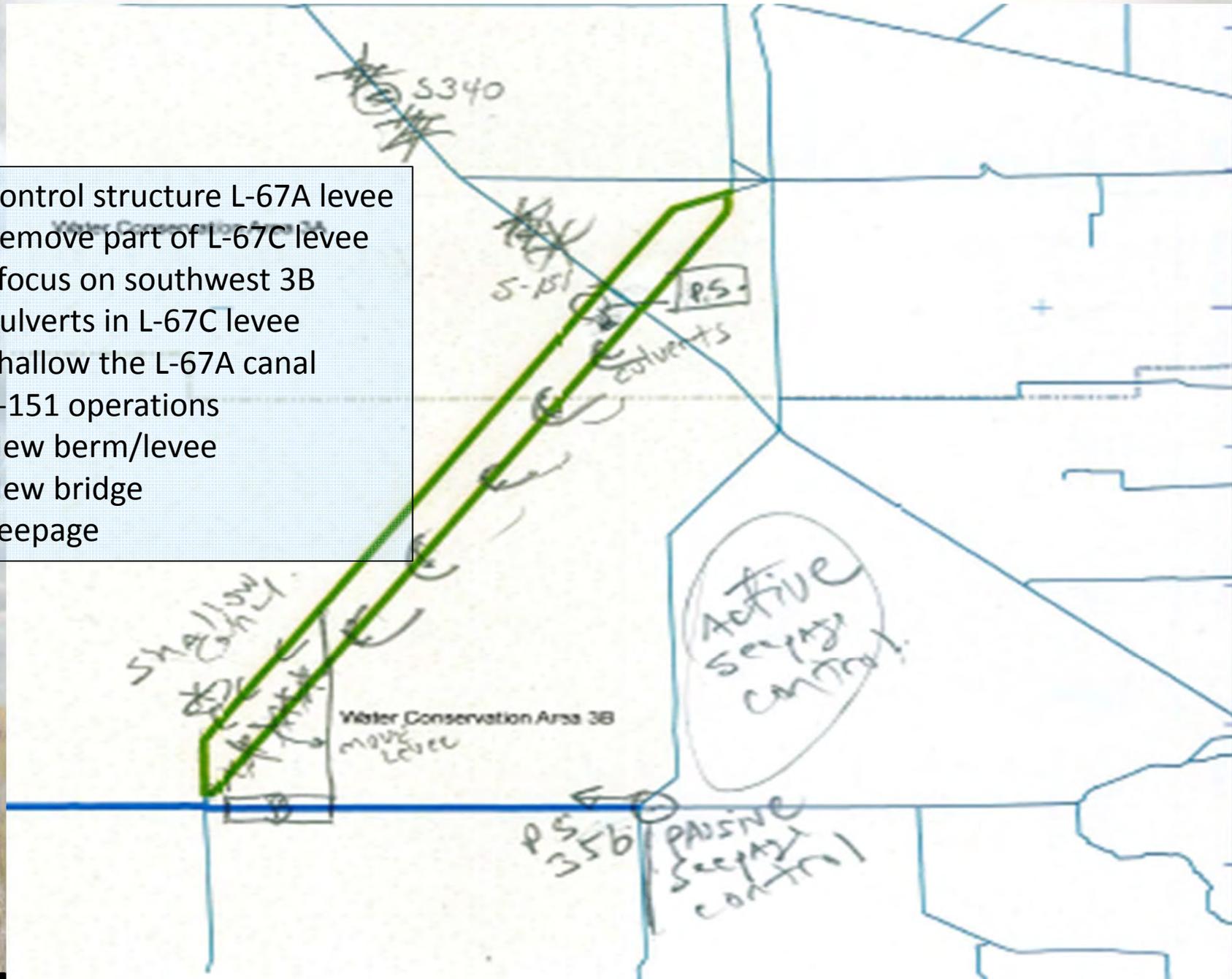
Control structure L-67A levee
Remove part of L-67C levee
focus on southwest 3B
New berm/levee
New bridge
Seepage

Water Conservation Area 3A

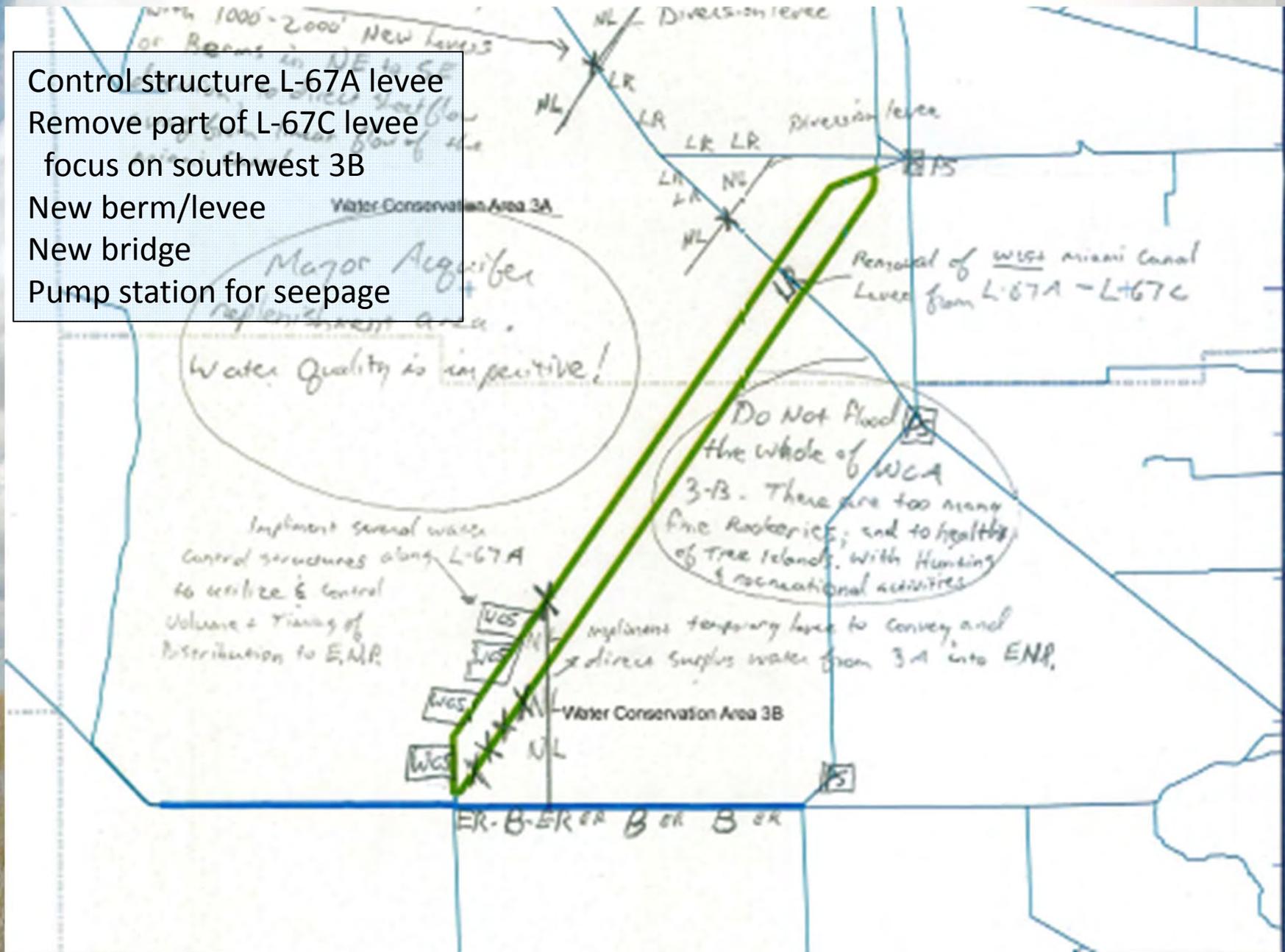
Water Conservation Area 3B

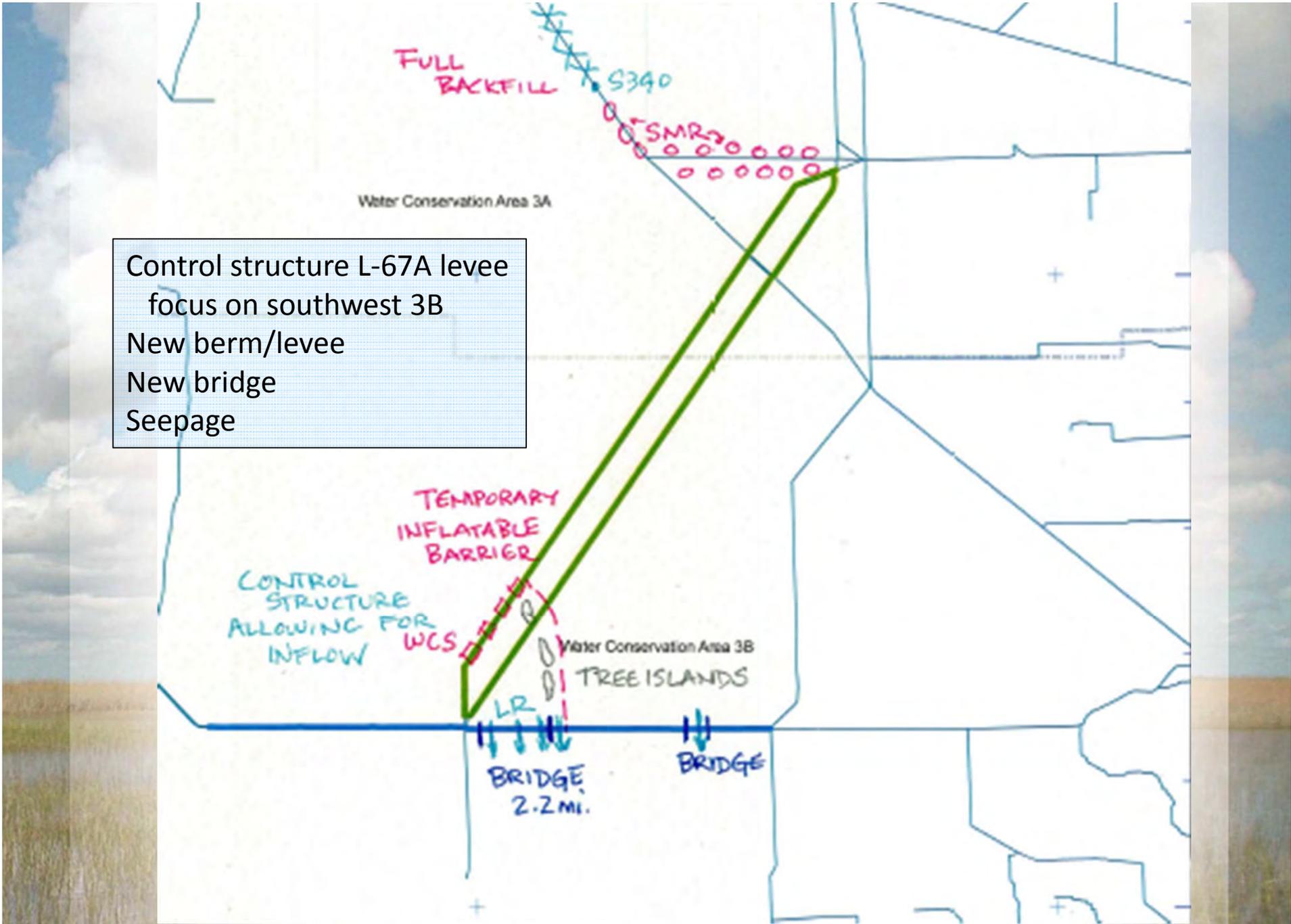
seepage
control

Control structure L-67A levee
Remove part of L-67C levee
focus on southwest 3B
Culverts in L-67C levee
Shallow the L-67A canal
S-151 operations
New berm/levee
New bridge
Seepage



Control structure L-67A levee
Remove part of L-67C levee
focus on southwest 3B
New berm/levee
New bridge
Pump station for seepage





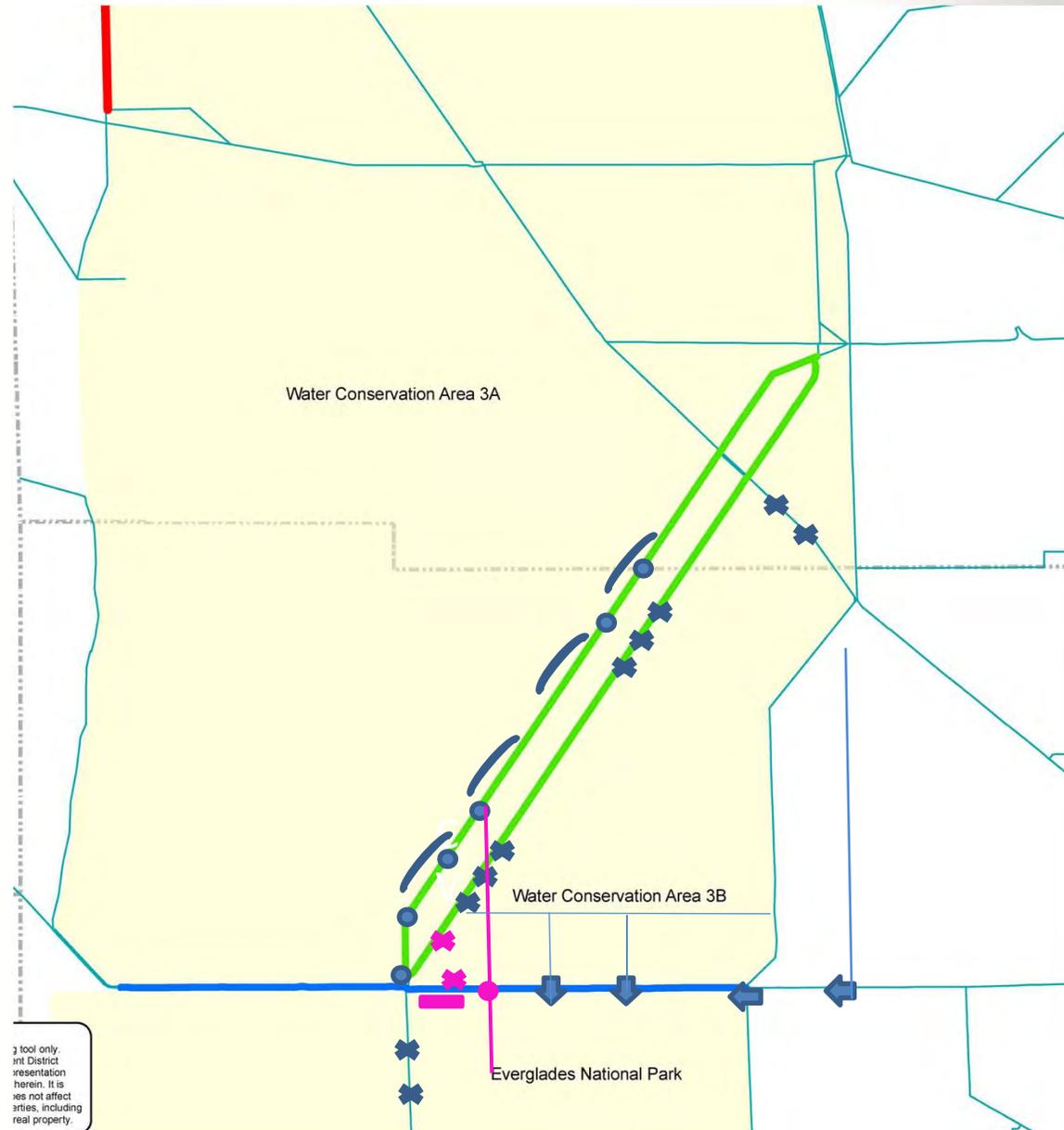
Control structure L-67A levee
focus on southwest 3B
New berm/levee
New bridge
Seepage

Preliminary Configurations

- Common themes were identified from the Working Group meetings and Project Delivery Team meetings
- Assembled the common features on one map
- Submit the combined set of features, together with restoration targets, to the iModel team

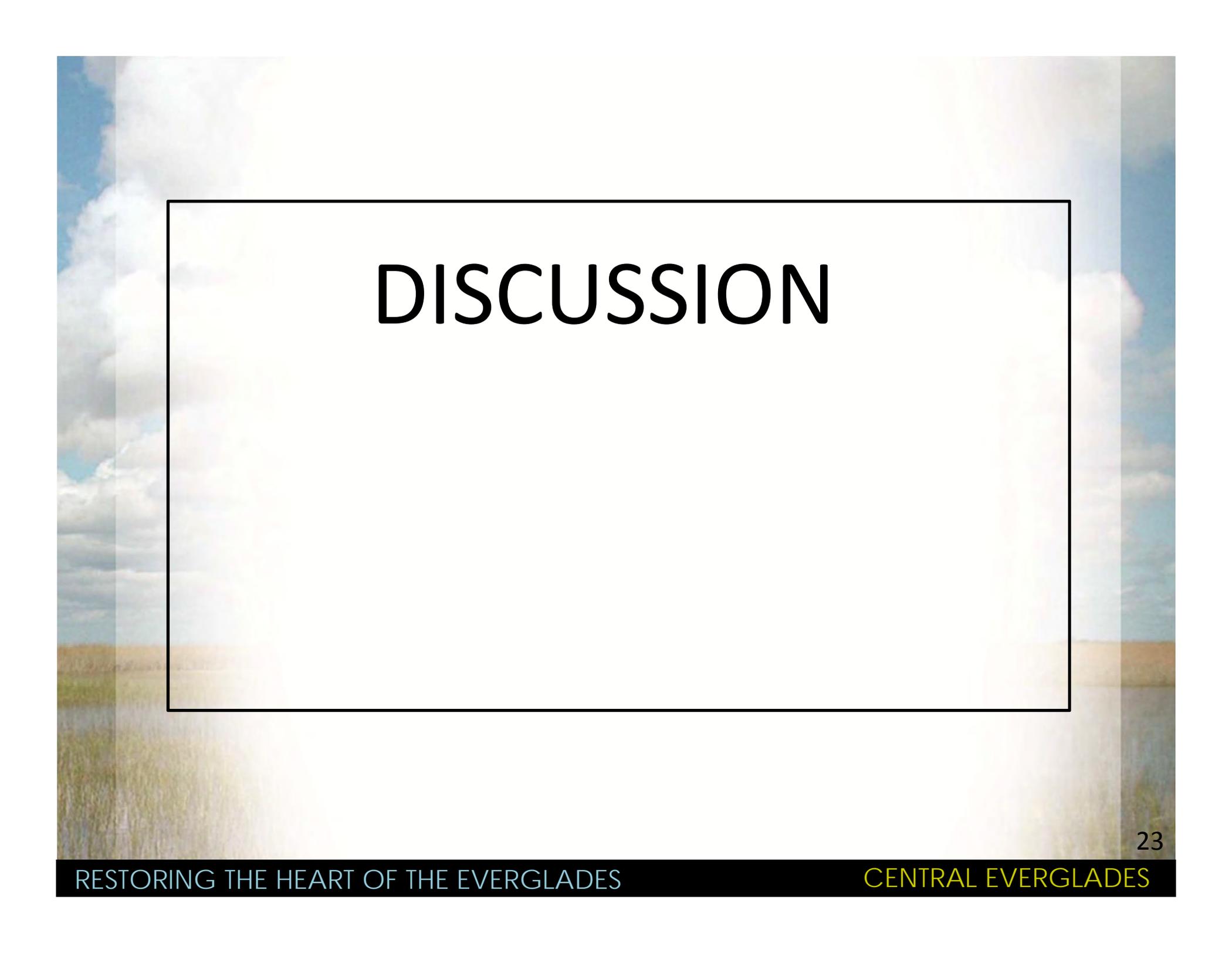
Features and Configurations for L-67 A/C and L-29 Levees

- New water control structure
- New water control structure
- ✦ Levee degrade
- ✦ Levee degrade
- ⇩ New pump station
- ⇩ New pump station
- New bridge
- New bridge
- New levee
- New levee
- Spoil mound removal
- Spoil mound removal



Next Steps

- Review output of iModel
- Identify if there are trade-offs among targets
- Identify reasonable sets of features and operations at L-67 A/C and L-29 to combine with the recommended A-2 FEB, Hydropattern Restoration Feature, and Miami Canal backfill options.



DISCUSSION