

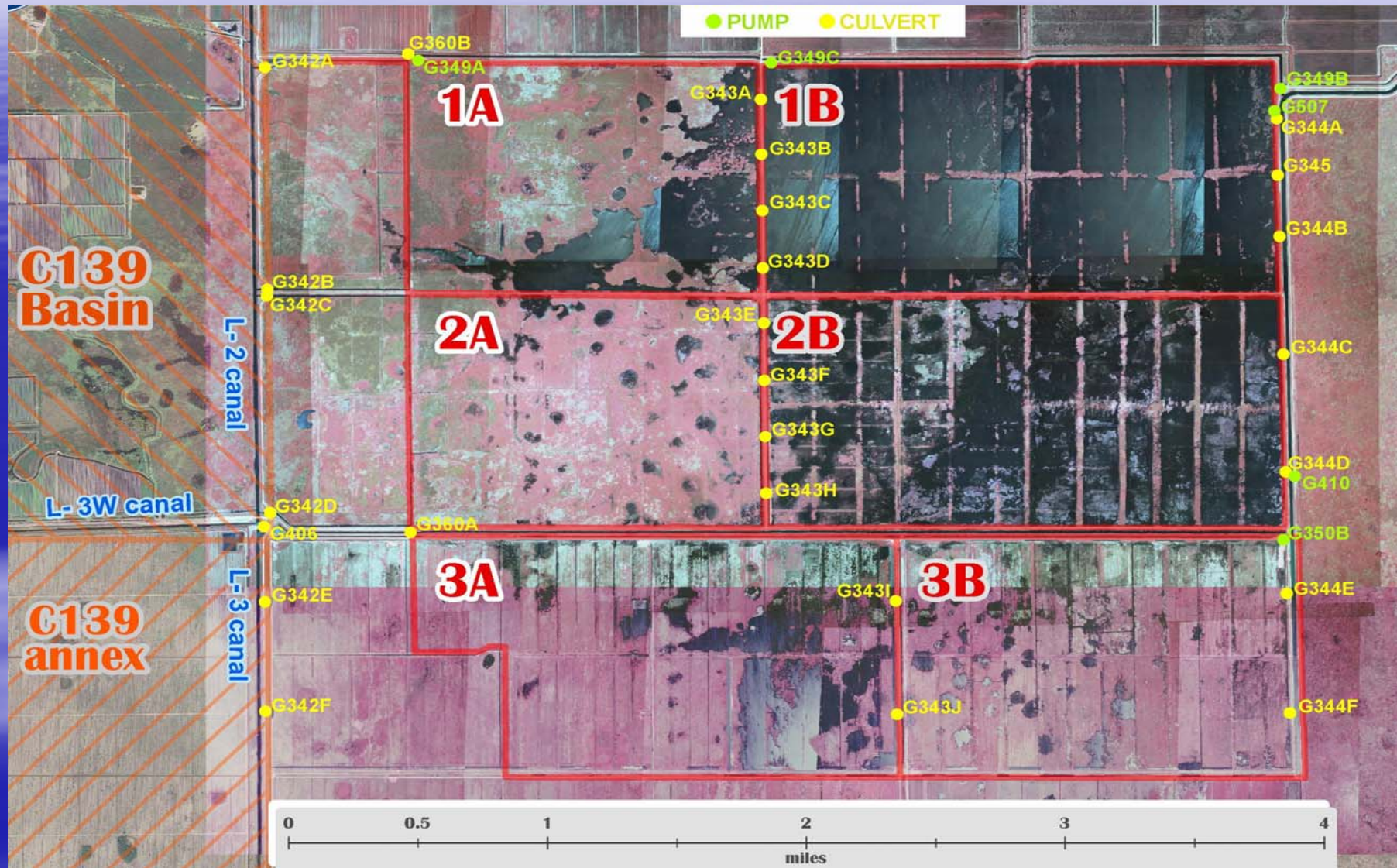
# STA-5 Cell 1A Rehabilitation Project Update

Public Meeting on the Long-Term Plan for  
Achieving Water Quality Goals for the Everglades  
Protection Area Tributary Basins

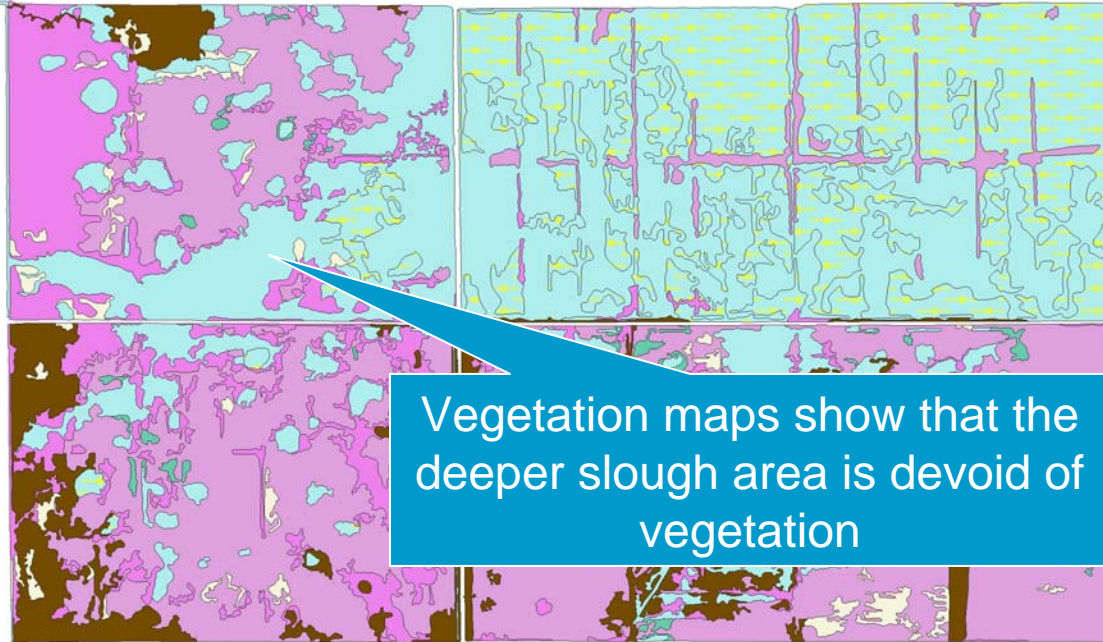
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# STA 5 Aerial View



# Vegetation Coverage



Vegetation maps show that the deeper slough area is devoid of vegetation

## LEGEND

### Vegetation

- BA - Barren
- P - Emergent
- PC - Cattail (*Typha* spp.)
- PEf - Floating/Floating Attached Emergents
- SB - Shrub
- W - Open Water With or Without Submerged Aquatic Vegetation
- W-14 - Open Water with Hydrilla (*Hydrilla verticillata*)

CLASSIFICATION	ACREAGE	PERCENT
		TOTAL
BA	292.4	7.1%
P	423.4	10.3%
PC	1,493.4	36.2%
PEf	46.0	1.1%
SB	72.9	1.8%
W	1,081.5	26.2%
W-14	717.2	17.4%
<b>TOTAL</b>	<b>4,126.7</b>	<b>100.0%</b>

# STA-5

## Rehabilitation Goals

- Increase TP removal efficiency
  - Reduce hydraulic short-circuiting
  - Increase effective treatment area
  - Provide long-term fix
  - Achieve optimal performance
- Cost-Savings Approach:
  - Take advantage of low water conditions
  - Use fill from high elevation areas within the STA
  - Fully utilize Field Station personnel

# STA 5 Cell 1A Slough Filling Project

Non Effective Treatment Area to be used for borrow material.



Slough Area within Cell 1A to be filled with borrow material.



# On site Production

Non Effective Treatment area being utilized for the borrow material.

Slough area where material is being transported and spread into the short circuited area.



Areas have been staked to elevation 13.6 NGVD.

This photograph was taken when production was at 50,000 cubic yards

# Slough Fill Area

Photo taken at 375,000 cy



# STA 5 – Rehab Project



- Slough Fill Area



- Cell 3A Non-Effective Treatment Area - New borrow area



# Project Data

- Project Goal – 150,000 cy of material
- Project Currently – 390,000 cy of material moved and placed
- Costs – approximately \$1,900,000
- Schedule – Feb 1 – June 1 2009