



2009 System Status Report

*Presentation to the December 14, 2010
joint Working Group/Science Coordination Group*

- Matt Harwell (USFWS) on behalf of larger RECOVER team



RECOVER

- The scientific arm of CERP (although not the only science!)
- System-wide science perspective for planning and implementation of the CERP
- Conduct system-wide monitoring and assessment
- Compile new knowledge gained
- Provide guidance on adaptive management

***RECOVER doesn't make all the products you use,
RECOVER makes many of the products you use
better!***



RECOVER and System-wide Science

Looking Back...

- Applied Science Strategy
- Monitoring & Assessment Plan (MAP)
 - CEMs, Hypotheses, and PMs
- Assessment Strategy (MAP, Part 2)
- System Status Reports (2006, 2007)
- MAP Refinement in 2009
 - Streamlined Hypotheses, PMs, and Monitoring



RECOVER and System-wide Science *Currently...*

- Extensive MAP monitoring & research
- Application of assessment protocols & detection of change
- Interface of MAP monitoring & CERP projects
 - AM plans at project level
- Using system-wide science to inform decision-making using AM
- Finalizing Scientific Knowledge Gained document
- Release of the 2009 System Status Report ★



RECOVER and System-wide Science

Looking Forward...

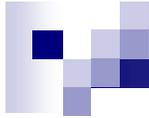
- 2009 SSR After Action; 2012 SSR Scoping
- Effective communication among scientists & decision-makers (i.e., reporting, options for decision-making etc.)
- Using AM to reduce risk and uncertainty (benchmarks, thresholds)
- Overcoming issues of scale (i.e., integration across boundaries MAP modules)
- Integration of system-wide and CERP project-level data for assessment and refinement of the Plan



2009 System Status Report (SSR)

- The third in a series of system-wide reports
- Provides a thorough accounting of the CERP MAP
- Documents status and trends of the essential and defining attributes of the South Florida ecosystem
- The information provided in the 2009 report provides baseline information



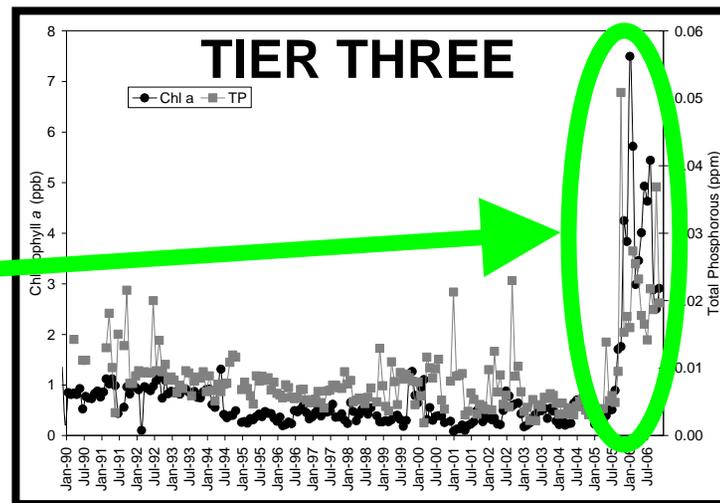
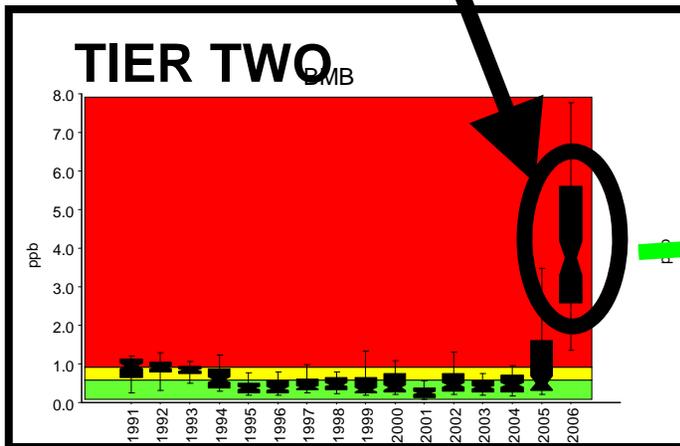


Same Conceptual Approach as Indicators

Detailed analysis, interpretation, and reporting in hierarchical manner

ALGAL BLOOMS – SOUTH			TIER ONE	
PERFORMANCE MEASURE	LAST STATUS	CURRENT STATUS	DESCRIPTION	REMARKS
Chlorophyll a SARAS BAY & BLACKWATER RICHMOND (SMB)	Red	Yellow	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.
Chlorophyll a NORTHEAST FLORIDA BAY (NEFB)	Yellow	Yellow	The current status is due to the presence of a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.
Chlorophyll a NORTH-CENTRAL FLORIDA BAY (NCFB)	Green	Yellow	The current status is due to the presence of a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.
Chlorophyll a SOUTH FLORIDA BAY (SFB)	Yellow	Yellow	The current status is due to the presence of a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.
Chlorophyll a WEST FLORIDA BAY (WFB)	Green	Green	The current status is due to the presence of a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.
Chlorophyll a MANAGROVE TOWNSHIP ZONE (MTZ)	Yellow	Yellow	The current status is due to the presence of a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.
Chlorophyll a SCOTTSVILLE FLORIDA SHELF (SFB)	Yellow	Yellow	The current status is due to the presence of a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.
Chlorophyll a NORTH BISCAYNE BAY (NBB)	Yellow	Yellow	The current status is due to the presence of a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.
Chlorophyll a CENTRAL BISCAYNE BAY (CBB)	Yellow	Yellow	The current status is due to the presence of a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.
Chlorophyll a SOUTH BISCAYNE BAY (SBB)	Yellow	Yellow	The current status is due to the presence of a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.	This region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a. The region has been designated as a coastal non-attainment area for Chlorophyll a.

¹Data in the Current Status column for the algal bloom indicator reflect data including the calendar year 2006. The assumption being used for the 2-Year Prospects Column is: There will be no change in water management from the date of the current status assessment.



2009 System Status Report (SSR)

Multiple Communication Vehicles

Old School – Hard Copy

- Key Findings
- Executive Summary
- Full 2009 SSR
- Individual MAP modules

New School – Webument

- will be posted to www.evergladesplan.org



2009 SSR Key Findings

RECOVER 2009 System Status Report KEY FINDINGS



Spatial Domain

- System-wide
- NE; LO; GE; SCS

Content

- Interim Goal
- Key Findings
- Stoplight Indicators
- Management
- Relevance

23 pages
graphic rich





2009 System Status Report EXECUTIVE SUMMARY

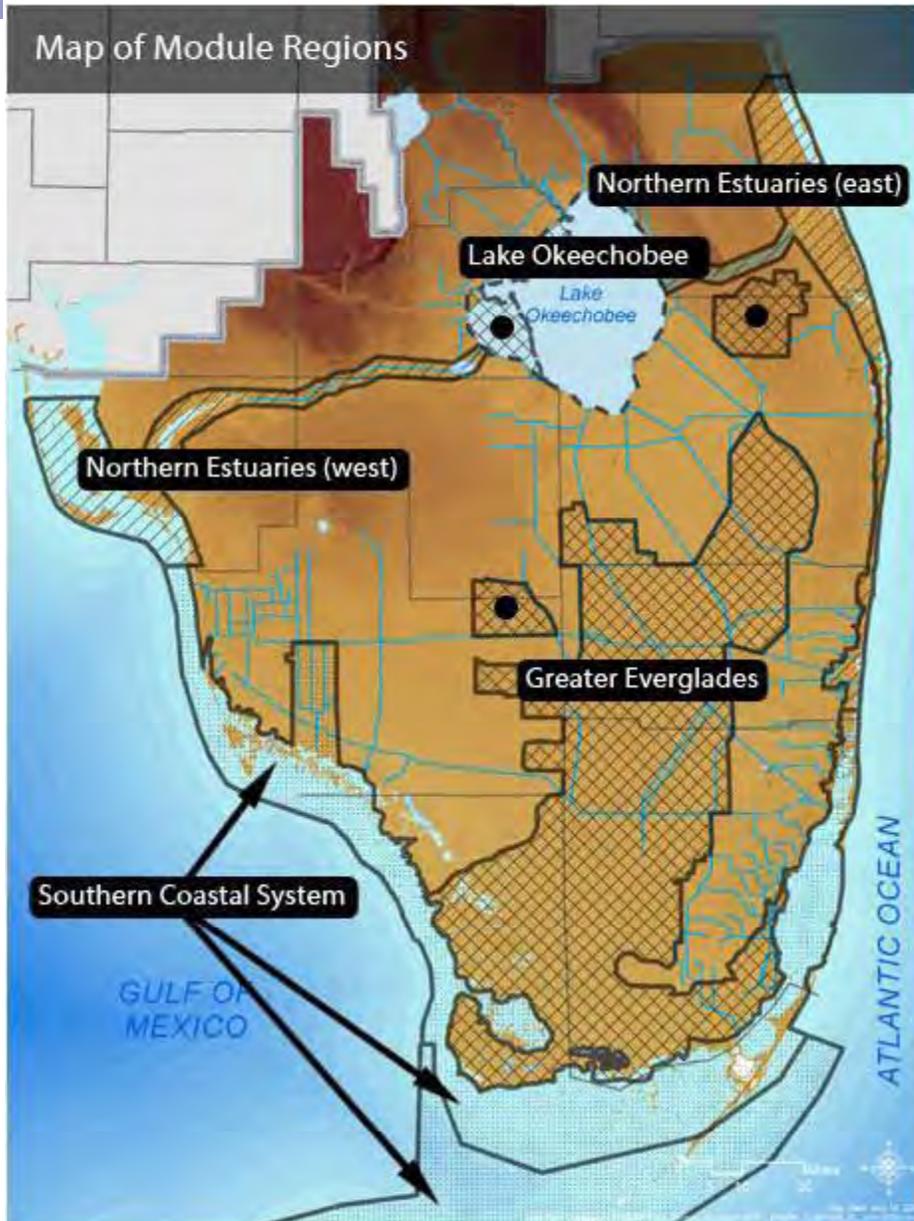
The 2009 SSR Provides the Following Information

1. A geographic and temporal synthesis of MAP findings to provide a holistic description of the status and trends of the defining attributes of the South Florida and Everglades ecosystem.
2. An interpretation of assessment results in relation to hypothesis clusters, performance measures and achieving system-wide Interim Goals.
3. A summary of those changes in the ecosystem that are consistent with the goals and purposes of the CERP and MAP hypotheses.
4. A discussion, when necessary, of why the goals are not being met and/or why the MAP hypotheses should be revised.
5. Identification of major unanticipated findings that may require attention and correction via processes outlined in the CERP Adaptive Management Strategy.

Executive Summary

- Overview of SSR
- Synthesis of findings of Pre-CERP conditions
- “How To” for reading the SSR Webument
- Only 4 pages long





2009 SSR Webument

Will be finalized soon!

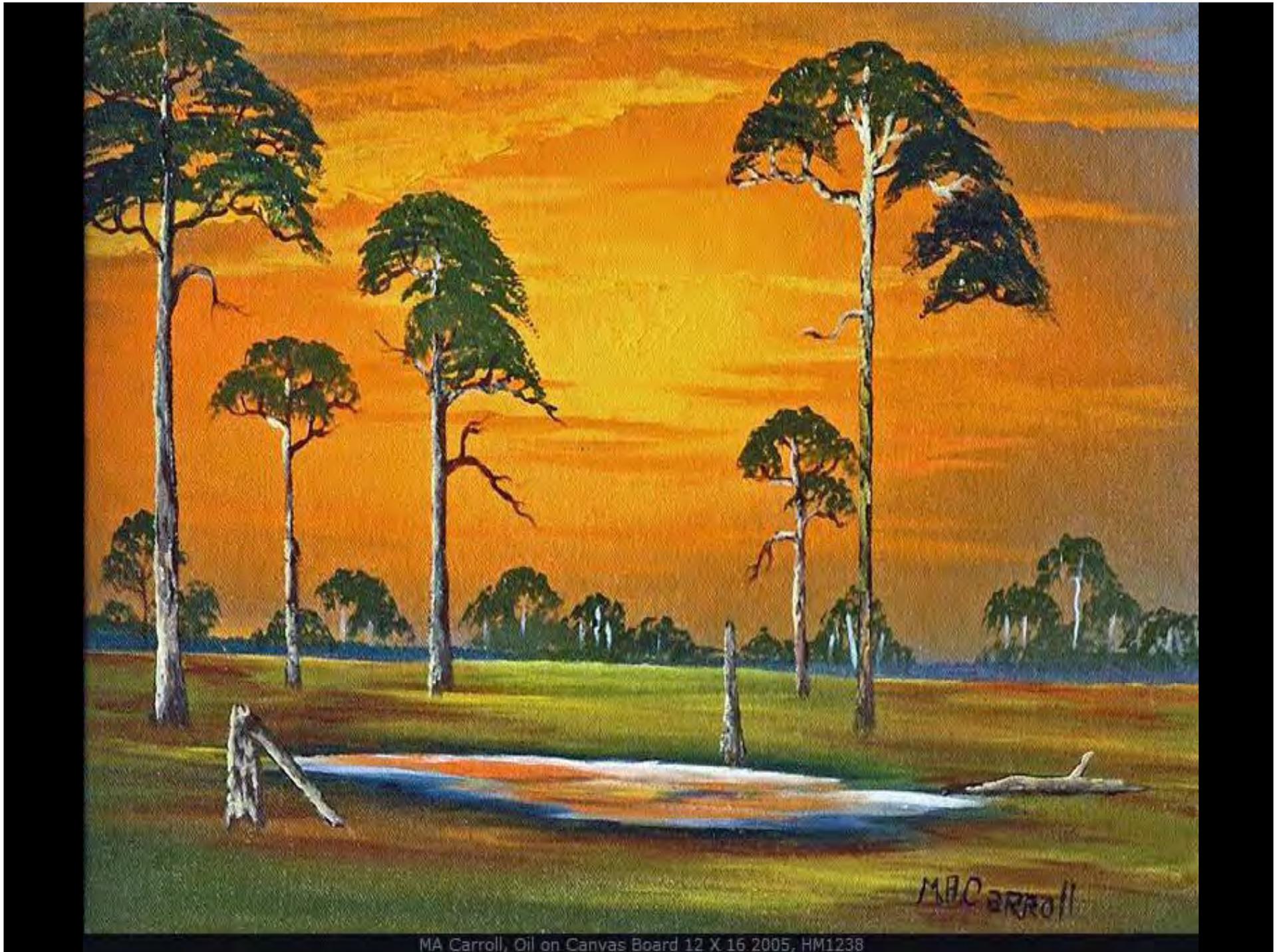
http://www.evergladesplan.org/p/m/ssr_2009/ssr_main.aspx

Let's Take a Tour!



Clicker.com





MA Carroll, Oil on Canvas Board 12 X 16 2005, HM1238