



National Research Council CISERP Update

***Sponsors: Army Corps of Engineers, South Florida Water
Management District, Department of the Interior,
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Dave Tipple (USACE)***

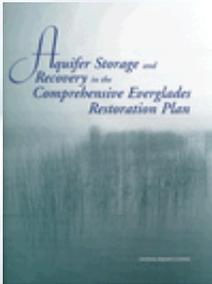
***South Florida Ecosystem Restoration
Task Force Meeting
December 17, 2013***

The Role of Science in Everglades Restoration

“While not all parties agree on the details of the restoration, there is near universal agreement that the best possible science should support planning, implementation, and, ultimately, operation of restoration projects.” (NRC, 2003)

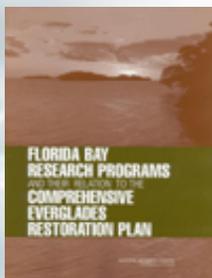
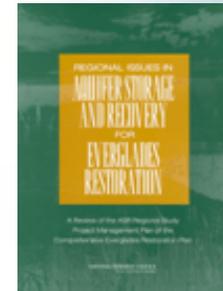
First NRC Everglades External Peer Review - In 1999 the National Academies established the Committee on Restoration of the Greater Everglades Ecosystem (CROGEE) to provide scientific advise to the South Florida Ecosystem Restoration Task Force (setup by DOI).

The NRC/CROGEE/CESI Everglades Studies (2000-2005)



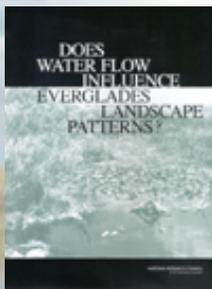
Aquifer Storage and Recovery in the Comprehensive Everglades Restoration Plan (2001).

Regional Issues in Aquifer Storage and Recovery for Everglades Restoration (2002).



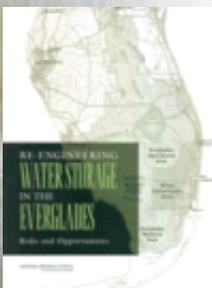
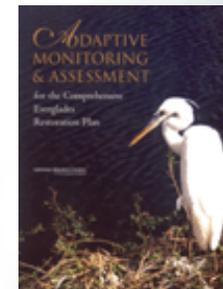
Florida Bay Research Programs and their Relation to the Comprehensive Everglades Restoration Plan (2002).

Science and the Greater Everglades Ecosystem Restoration, the Critical Ecosystem Studies Initiative (2002).



Does Water Flow Influence Everglades Landscape Patterns? (2003).

Adaptive Monitoring and Assessment for the Comprehensive Everglades Restoration Plan (2003).



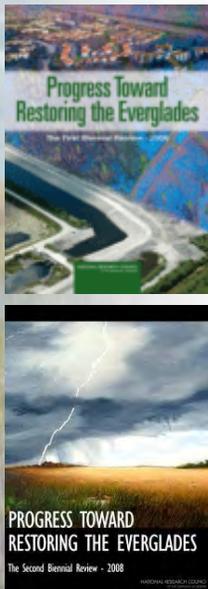
Re-Engineering Water Storage in the Everglades: Risks and Opportunities (2005).

Committee on the Independent Scientific Review of Everglades Restoration Progress (CISRERP)

Independent Scientific Review: WRDA 2000, Section 601 (j)

Establish an independent scientific review panel convened by a body, such as the National Academy of Sciences, to review the Plan's progress toward achieving the natural system restoration goals.

Produce a biennial report to Congress, the Secretary of the Army and Interior, and the Governor that includes an assessment of ecological indicators and other measures of progress in restoring the ecology of the natural system.



Progress Toward Restoring the Everglades: The First Biennial Review (2006).

Progress Toward Restoring the Everglades: The Second Biennial Review (2008).

Progress Toward Restoring the Everglades: The Third Biennial Review (2010).

Progress Toward Restoring the Everglades: The Fourth Biennial Review (2012).



Committee on the Independent Scientific Review of Everglades Restoration Progress (CISRERP V)

Progress Toward Restoring the Everglades : Fifth Biennial Review

NRC & Sponsor Agency Coordination Meetings

07-10/2012 Rescaling of the CISRERP Review Process

Two Field Trips

02/27/13 BBCW, C-111 SC, ENP Habitats/Invasives, Tamiami Trail

09/09/13 Lox. NWR Invasives, LILA, USDA Invasives Lab

Four Open Meetings

11/27/12 Everglades Hydrology/Ecology, CERP 101, Water Quality, CEPP & Restoration Strategies Introduction.

02/28/13 Climate Change Implications for Restoration, CEPP (planning process, eval. tools, final array, and TSP).

09-10/13 ASR update, CEPP (costs, assurances, ecosystem services), Restoration Strategies update, science governance.

12/16/13 CERP/non-CERP (project status, cost sharing, budget implications for restoration), CEPP (recent developments, lessons learned), Congressional perspectives, senior leadership persp. & implications for restoration progress.

Committee on the Independent Scientific Review of Everglades Restoration Progress (CISRERP)

Biennial Report Status and Next Steps:

Last CISRERP V Committee Open Meeting December 2013

Draft 5th Biennial Report to Sponsors mid June 2014

Roll-out Briefing for Sponsors late June 2014

Final 5th Biennial Report end of June 2014

Establish CISRERP VI Committee in the fall of 2015

CISRERP VI Committee begins meeting ~ Nov. 2015

Fifth Biennial Report Topical Areas:

The Restoration Plan in Context

Implementation Progress (CEPP & RS)

NEW TOPICS (Climate Change, Invasive Exotics, ???)

Science and Decision Making