

Andrew LoSchiavo



Andrew (Andy) LoSchiavo is a Biologist at Jacksonville District in the REStoration COordination and VERification and System-wide analysis Branch in Jacksonville, FL. His current work focuses on implementing the Comprehensive Everglades Restoration Plan (CERP) Adaptive Management Program. This includes coordinating scientific input to restoration projects to develop project implementation reports, adaptive management and monitoring plans; development and execution of programmatic guidance on how to implement adaptive management activities within the CERP planning and project implementation process; and supporting execution system-wide evaluation and assessment tasks for the whole CERP program that relate to model development for evaluating plans and monitoring execution to understand the Everglades ecosystem status. He also supports USACE national efforts to develop guidance on using adaptive management to support other USACE missions, including benchmarks for incorporating adaptive management into agency plans and programs to address Climate Change.

Andy grew up in Central Ohio and attended Denison University, where he earned a B.S. in Biology and Chemistry minor and studied neuroscience in 2000. He then attended Duke University's Nicholas School of Environment where he earned a Master's of Environmental Management with an emphasis in coastal environmental management focused on conservation biology and social-science applications for fisheries management. He has worked for North Carolina Division of Marine Fisheries, NOAA Headquarters Office of Habitat Conservation, and a private Federal contracting firm on Everglades planning support. His training and work relate back to a common theme of using applied science to address key ecosystem management questions that help improve policies and management actions to achieve environmental program success.

Professional Presentations:

- 2011 National Conference on Ecosystem Restoration
 - Oral CERP Adaptive Management Challenges and Lessons Learned
http://conference.ifas.ufl.edu/ncer2011/Presentations/Wednesday/Kent/am/1050_LoSchiavo.pdf
 - Posters: Tools to Reduce Uncertainty in the USACE Project Implementation; Biscayne Bay Coastal Wetland Project Adaptive Management Plan
- 2010 USACE Planning Community of Practices Conference
 - Oral: Section 2039 of WRDA 2007 Implementation Guidance – What does it mean for Large scale ecosystem restoration projects

- 2009 National Conference on Ecosystem Restoration
 - Oral: CERP Adaptive Management Program
[http://conference.ifas.ufl.edu/ncer2009/PPTPDF_pres/4-Thursday/2-Emerald%20Bay/AM/1000%20\(1\)%20A%20LoSchiavo.pdf](http://conference.ifas.ufl.edu/ncer2009/PPTPDF_pres/4-Thursday/2-Emerald%20Bay/AM/1000%20(1)%20A%20LoSchiavo.pdf)
 - Poster: Potential Solutions to Address Challenges in Implementing Adaptive Management for Ecosystem Restoration Programs and Projects
- 2009 American Water Resources Association – Adaptive Management Conference
 - Oral: CERP Adaptive Management Program: Challenges and Opportunities
- 2008 Greater Everglades Ecosystem Restoration Conference, Naples, FL.
 - Oral: System-wide Planning for Comprehensive Everglades Restoration Plan: Lessons Learned from Band 1 Model Run Evaluation
http://conference.ifas.ufl.edu/GEER2008/Presentation_PDFs/Thursday/Royal%20Palm%20III/1400%20A%20LoSchiavo.pdf
 - Developed Presentation: Overview of CERP Adaptive Management Program: A Management Approach for Achieving Restoration Success.
http://conference.ifas.ufl.edu/GEER2008/Presentation_PDFs/Thursday/Royal%20Palm%20III/1340%20S%20Traxler.pdf
 - Poster: CERP Process to Apply Adaptive Management
- 2005 Coastal Zone Management Conference, New Orleans, LA. Poster Title: Essential Fish Habitat Management Advantages and Challenges as a Coastal and Marine Ecosystem Approach to Management.
http://www.csc.noaa.gov/cz/2005/CZ05_Proceedings_CD/pdf%20files/posters/LoSchiavo.pdf

Technical Papers or Guidance:

- Honor's Thesis: Nitric oxide synthase enzyme changes in the olfactory bulb of mice (*Mus musculus*) during the memorization of odors.
- Master's Thesis: Rockweed (*Ascophyllum Nodosum*) - marine resource management under scientific uncertainty.
- Fall, 2000. Denison University Bio-Journal: *Lieostomus Xanthurus*: Nitric Oxide Synthase Potential for Swim Bladder Gas Secretion?
- February 2005, NOAA Technical Memorandum NMFS-F/SPO-77: Developing Regional Marine Ecosystem Approaches to Adaptive Management. <http://spo.nwr.noaa.gov/tm/tm77.pdf> (contributer)
- 2008, Southern Everglades Adaptive Management Strategy.
- 2010, CERP Adaptive Management Integration Guide
http://www.evergladesplan.org/pm/pm_docs/adaptive_mgmt/062811_am_guide_final.pdf
- 2010, CERP Technical Report on System-wide Performance of CERP 2015 Band 1 Projects.
http://www.evergladesplan.org/pm/recover/recover_docs/band_1_report/012810_band1_main_report.pdf
- 2011, CERP Guidance Memorandum on Integrating Adaptive Management principles into program and project management
http://www.cerpzone.org/documents/cgm/CGM_56_Adaptive_Management.pdf