Florida Coastal Everglades Student Group

Yearly update
ASM March 19-20, 2009
Update

- No longer part of FIU system
- All events are student-sponsored
- Name change to FCE student group

Photo by Amanda Quillen
2008-2009
Activities

- End of spring semester BBQ (BGSA)
- Beginning of fall semester BBQ (BGSA, CGSA)
- Movie night: Water’s Journey-Everglades (SAGSA)
Discussion Group

- Held every Friday at 4pm in Ecotank.
- Jeremy Stalker
- Jim Fourqurean
- René Price
- John Chick
Awards received

- Jay Munyon: Everglades Foundation Fellowship $10,000
  SERC Christina Menendez Fellowship $5,000

- Clifton Ruehl: Everglades Foundation Fellowship $17,000

- Pam Sullivan: Everglades Foundation Fellowship $17,000

- Greg Koch: Everglades Foundation Fellowship $20,000
Meetings/Presentations

- **Koch, G.R.** et al., 2008. Preliminary metabolic estimates of an oligotrophic, subtropical pond. 7th Global Lake Ecological Observatory Network meeting, Nortallje, Sweden.
- **Wachnicka, A.** et al., 2008. Diatom-Based Inferences of Environmental Change in Florida Bay and Adjacent Coastal Wetlands of South Florida. Florida Bay and Adjacent Marine Systems Science Conference, Naples, Florida.
- **Williams, C.J.** et al., 2008. Spatial patterns in microbial fatty acid composition and carbon cycling in a seagrass estuary. Ocean Science Meeting, Orlando, Florida, USA, ASLO.
- **Castañeda-Moya, E.** et al., 2008. Hurricane Impacts on Mangrove Forests of Florida Coastal Everglades: The Importance of sediment deposition in the biogeochemistry and fertility of mangrove soils. GEER meeting (July 28- August 1).
Papers in review
(Not in order of authorship)

- **Ruehl, C. B.** et al. Cage design and seasonality in wetland field experiments that measure biotic interactions. *Hydrobiologia*.
- **Koch, G.R.** et al. In prep. The best practice for determining whole lake metabolism using the diel dissolved oxygen technique. Intended submission to: *Limnology and Oceanography*.
- **Wachnicka, A.H.** et al. P enrichment of seagrass meadows causes changes in epiphyte community structure at division level and within diatom communities. *Journal of Phycology*.
- **Castañeda-Moya, E.** et al. Spatial patterns of sediment deposition in mangrove forests of the Florida Coastal Everglades after the passage of Hurricane Wilma. *Estuaries and Coasts*.
- **Castañeda-Moya, E.** et al. The role of the mangrove ecotone region in regulating nutrient cycling and wetland productivity in south Florida. *Critical Reviews in Environmental Science and Technology* – special issue.
Papers in review cont.


- Wachnicka, A. et al. Developing Diatom-Based Inferences of Environmental Change in Florida Bay and Adjacent Coastal Wetlands of South Florida. *Estuarine, Coastal and Shelf Science*.


- Williams, C.J. et al. The importance of seagrass as a carbon source for heterotrophic bacteria in a subtropical estuary (Florida Bay). *Estuarine Coastal and Shelf Science*.

- Williams, C.J. et al. Water column nitrogen cycling in Florida Bay. *Contributions in Marine Science – Florida Bay Special Issue*.
Publications


Defenses

- **Clayton Williams**, (advisor: Dr.Frank Jochem)
  “Relative significance of pelagic, benthic, and allochthonous organic matter to microbial carbon cycling in a phosphorus-depleted subtropical estuary (Florida Bay)”

- **Jeremy Stalker**, (advisor: Dr.René Price)
  “Hydrological dynamics between a coastal aquifer and the adjacent estuarine system, Biscayne Bay, South Florida”

- **Ania Wachnika**, (advisor: Dr.Evelyn Gaiser)
  “Quantitative Diatom-Based Reconstruction Of Paleoenvironmental Conditions In Florida Bay And Biscayne Bay, U.S.A.”

- **Amanda Quillen**, (advisor: Dr.Evelyn Gaiser)
  “Diatom-based paleolimnological reconstruction of quaternary environments in a Florida sinkhole lake”

- **David Iwaniec**, (advisor: Dr.Dan Childers)
  “Investigating ecosystem regulation and organization using periphyton from the Florida Everglades, USA”
3rd Year Review T-shirts

- Sign-up sheet.
- Nalgene bottles
Fifteenth Annual Florida Ecology and Evolution Symposium

June 19-21, 2009
Archbold Biological Station
Lake Placid, FL

- Night-time visual tour of the Milky Way Galaxy by astronomer Kye Ewing
- End-of-meeting social barbeque and Lake Annie swimming
- Virtual Tour of the Everglades and Overview of the FCE LTER program
- Complete Room and Board at Archbold Biological Station

**Registration Form:**
http://fcelter.fiu.edu/students/Registration_2009.doc
*(all participants)  Deadline: June 6, 2009*

**Abstract Form:**
http://fcelter.fiu.edu/students/FECES_2009_Abstract_Submission.doc
*(presenters only)  Deadline: May 31, 2009*

Registration cost is $75 per person. Space is limited to 25 participants so please register quickly!

Please contact Greg Koch *(gkoch001@fiu.edu)* with any questions.
THANK YOU!