Paul Julian, PhD PWS

Education

2018 — **University of Florida**
Ph.D. in Soil and Water Science — Gainesville, Florida

2010 — **Florida Gulf Coast University**
M.Sc in Environmental Science — Fort Myers, Florida

2005 — **Benedictine College**
B.Sc. in Biochemistry — Atchison, Kansas

Professional Experience

Present-2011 — **Environmental Consultant, Everglades Technical Lead**
Florida Department of Environmental Protection
Fort Myers/Tallahassee, Florida

2016-2018 — **Graduate Research Assistant**
University of Florida — Gainesville/Fort Pierce, Florida

2015 — **Adjunct Faculty**
Florida Gulf coast University — Fort Myers, Florida
• Instructor for ISC 3120: Scientific Process

2010-2011 — **Biological Scientist III**
Florida Fish and Wildlife Reserch Institute — Saint Petersburg, Florida

2008-2009 — **Lab Manager**
University of Florida — Immokalee, Florida

2007-2008 — **Graduate Research Assitant**
Florida Gulf Coast University — Fort Myers, Florida

2007-2008 — **Technical Director/Chemist**
HBEL Inc. (Formerly Harbor Branch Environmental Lab Inc.)
Lehigh Acres/Fort Myers, Florida

2005-2007 — **Staff Chemist II**
Mote Marine Labortory — Sarasota, Florida

Licenses & Certifications

Professional Wetland Scientist
Society of Wetland Scientists

Florida Stormwater Management Inspector
Florida Department of Environmental Protection

PADI Open Water Diver
Professional Association of Diving Instructors

Contact Info

Lehigh Acres, Florida, USA
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github.com/SwampThingPaul
407-729-8192

Skills

Experienced in statistical analysis of environmental data including chemical, hydrologic and ecologcial data.

Computing Skills

Expertise: ArcGIS, R/RStudio, Markdown, Git/Github, LaTex, MS Access

Familiarity: QGIS, Python, HTML, Inkscape

Last updated on 13 May 2019.

Synergistic Activities

Extracurricular

Present-2016 — **Long Term Ecological Research.**
Florida Coastal Everglades LTER

2019 — **Woodstoich 4**
Silicon Stoichiometry Working Group

2017-2018 — **Long Term Ecological Research.**
All Scientist Meeting Program Committee.

2017 & 2015 — **Greater Everglades Ecosystem Restoration Conference, Mercury and Sulfur Special Session co-organizer**

Working Groups And Subteams

Western Everglades Restoration Planning Project
Water Quality Subteam

Lake Okeechobee Watershed Restoration Planning Project

Loxahatchee River Restoration Planning Project
Water Quality Subteam

Everglades Combined Operation Plan
Water Quality and Adaptive Management Subteams

Florida Coastal Everglades Long Term Ecological Research
Biogeochemistry Working Group

Science Communication

Biotweeps Curator (Archive)
Aug. 2018

Content contributor to "#MacrophyteMonday" and "#WetlandWednesday".
Twitter

Blog content (Topics: ecology, biogeochemistry, statistics, etc.)
https://swampthingecology.org/blog/

Informatics And Programming

2019 — **Creator and maintainer of the R package AnalystHelper**
AnalystHelper (on GitHub)

Select Publications

2019 **Evaluation of nutrient stoichiometric relationships amongst ecosystem compartments of a subtropical treatment wetland. Do we have "Redfield Wetlands"?**
Ecological Processes. *(In Press)*
Julian, P., et al.

2018 **Balancing Wetland Restoration Benefits to People and Nature.**
The Solutions Journal. 9(3)
Marazzi, L., M. Finlayson, P.A. Gell, **P. Julian**, J.S. Kominoski and E.E. Gaiser.

From lake to estuary, the tale of two waters: a study of aquatic continuum biogeochemistry.
Environmental Monitoring and Assessment. 190:96
Julian, P and T.Z. Osborne.

2013 | 2019 **Status of water quality in the Everglades Protection Area**
South Florida Environmental Report (Annual Report)
Julian, P., et al.

2017 **Numeric Interpretation of Narrative Standards for the L-28 Interceptor Canal and Big Cypress National Preserve.**
Technical Support Document: Western Everglades Planning Project.
Julian, P., et al.

Select Presentations

2019 **Hydrologic restoration of a shallow oligotrophic marl wetland. What is the soil telling us?**
Greater Everglades Ecosystem Restoration — Coral Springs, Florida
Julian, P., K. August, L. Simpson, T.Z. Osborne, D. Surratt.

2018 **Don't wave the river red gums goodbye. The role of environmental flows in restoring river water quality and riparian zones along the Wimmera River.**
Society of Wetland Scientist Annual Meeting — Denver, Colorado
Julian, P. and G. Fletcher.

Let's take a ride downstream. Translating nutrient spiraling concepts to wetland ecosystems.
Society of Wetland Scientist Annual Meeting — Denver, Colorado
Julian, P., S. Gerber. A.J. Reisinger, K. Larios.

One of these things is not like the other. Evaluation of wetland nutrient stoichiometry and homeostasis in a subtropical treatment wetland.
12th International Symposium on Biogeochemistry of Wetlands — Coral Springs, Florida
Julian, P., et al.

A complete list of publications can be found on my webpage (link).

Multiple technical presentations not listed here have been presented at meetings including technical, environmental policy, restoration project planning and general public audiences.

A complete list of presentations can be found on my webpage (link).