

OBJECTIVE

Secure a position that will utilize my experience finding solutions to issues related to Florida water quality and quantity.

EDUCATION

University of Florida, Gainesville, FL

Master of Environmental Engineering, December 2009

University of Florida, Gainesville, FL

Bachelor of Science in Environmental Engineering, December 2007

Manatee Community College, Bradenton, FL

Associates of Arts in Engineering, December 2003

EXPERIENCE

Florida DEP: Domestic Wastewater Section, Tallahassee, Florida 03/10 - present

- Industrial Pretreatment Engineer
 - Implement Florida's Industrial Pretreatment Program in accordance with Chapter 62-625, Florida Administrative Code. Duties include but not limited to conducting annual inspections and review of annual reports; providing guidance to local governments; providing technical assistance on wastewater management issues; assisting in development of policies and necessary rule-making; assisting in preparation of reports on program effectiveness; and assisting in training activities.

University of Florida: Conserve Florida Water Clearinghouse, Gainesville, Florida 09/07-03/10

- Research Assistant/Water Use Analyst
 - Developed water planning and end-use models for Florida's water conservation planning tool "EZ-Guide". Edited and contributed to EZ-Guide Users Manual. Utilized optimization techniques. Developed and maintained both ArcSDE® and MS®SQL servers containing: water production data, individual utility billing data, county and state property appraisal data/geometry, landuse/landcover, and block level census data/geometry. Performed spatial and statistical analysis of water use and trends.

Gainesville Regional Utilities, Gainesville, Florida 05/07-11/07

- Water/wastewater intern
 - Performed QA/QC on spatial location of water meters in ArcSDE database. Performed QA/QC on relational accuracy between ArcSDE, legacy Oracle and the current SAP billing databases. Assisted in plan review and GIS mapping of distribution network from CAD, scanned plans, and field drawings.

St. Johns River Water Management District, Palatka, Florida 05/06 - 08/06

- Intern, Resource Management/Water Supply Management
 - Contributed in data collection, QA/QC, and analysis for Water Supply Plan. Key tasks included: collection of reuse water flow, reuse service line, reuse service area Data, updating of golf course areas GIS and agricultural GIS of crop cover and irrigation for Agricultural Field-Scale Irrigation Requirements Simulation (AFSIRS) model.

Brevard Community College, Melbourne, Florida 01/04 - 08/04

- Mathematics Learning Specialist
 - Instrumental in helping a diverse group of high risk students achieve success in algebra and college level math.

John E. Palenchar Floor Covering, Sarasota, Florida 1999-2003

- Owner, Supervisor, Technician
 - Maintained occupational license and insurance. Performed estimates and submitted bids. Hired and managed one to two technicians. Maintained inventory and coordinated transportation of materials from suppliers. Installed multiple floor-covering materials. Ensured a high level of customer satisfaction.

ANC Construction, 1998-1999

720 Business Park Blvd. Unit #10, Winter Garden, Florida 34787

- Contract Supervisor
 - Supervised and managed up to 10 roofing technicians on multiple job-sites. Hired labor. Ensured OSHA compliance and training for staff being supervised. Responsible for payroll. Maintained inventory and coordinated transportation of materials from suppliers. Scheduled repair and warranty work. Installed multiple roofing types for both commercial and residential applications.

Charles Carpenter Construction & Roofing, 1997-1999

2825 Business Center Boulevard, Melbourne, Florida 32940. Phone: (321) 254-1409

- Supervising Technician
 - Supervised up to five roofing technicians on multiple job-sites. Scheduled repair and warranty work. Installed multiple roofing types for both commercial and residential applications.

PROFESSIONAL MEMBERSHIPS

Engineering Intern # [1100011765](#), Florida Board of Professional Engineers, Effective 8/29/2007

SKILLS

Supervision and management of technical projects.

Presentation of data, information to diverse audiences.

Software: MatLab®, ESRI® (ArcGIS, ArcIMS, ArcServer, ArcSDE), Excel, and Microsoft office suit including Access with MS®SQL server and Oracle®, EPANet, WaterCad®, MWH® INFOwater, HEC-HMS, US NSCS TR-55, AutoCAD®, Visual Basic programming for Microsoft® Excel and web development.

Academic: Water Resources, Environmental, General Civil, Raster and Vector geo-processing, Internet GIS

PUBLICATIONS AND PRESENTATIONS

Burney R., Hardy H., DePaul M., Parra-Ferro F., Watson E., Palenchar J., Feng N., Sansalone J. (2008). Design Alternatives for the Expansion of the South Tampa Area Reclaimed Project (STAR) in Tampa, Florida, *Florida Water Resources Journal*. August, 2008.

http://www.fwrj.com/TechArticles08/FWRJ%200808_tech2.pdf

Palenchar, J., Friedman, K. and J.P. Heaney. (2009). Reuse and Private Wells to Offset Irrigation with Potable Water in Urban Water Systems. *Florida Watershed Journal*, December.

<http://www.floridawatershedjournal.com/books/fall2009/>

Palenchar, J., Friedman, K. and J.P. Heaney. (2009). Hydrograph Separation of Indoor and Outdoor Billed Water Use in Florida's Single Family Residential Sector. *Proc. Florida Section of AWWA Fall Conference, Orlando*, December.

<http://library.conservefloridawater.org/publications/1663684.pdf>

Palenchar, J. (2009). Trends in Irrigation Use of Potable Water by the Single Family Residential Sector in Alachua County, Florida. M.E. Thesis, Dept. of Environmental Engineering Sciences, U. of Florida, Gainesville, FL

<http://library.conservefloridawater.org/publications/12591682.pdf>

Palenchar, J. and J.P. Heaney. (2009). Targeting Residential Irrigation for Conservation. Water Institute Symposium, U. of Florida, Gainesville, FL.

Heaney, J.P., Friedman, K., Morales, M. and J. Palenchar. (2010). Water Conservation Evaluations within the Context of Regional Water Supply Planning in Florida. FSAWWA Fall 2010 Conference, Orlando, FL.

<http://library.conservefloridawater.org/publications/WaterConservationEvaluationsRegionalWaterSupplyPlanning.pdf>

Friedman, K., Palenchar, J., Cornejo, C., Heaney, J.P., Morales, Mi., Switt, R.S., (2010) University of Florida & Conserve Florida Water EZ Guide (EZG) User Manual Version 2.0.1 Beta. Conserve Florida Water Clearinghouse, U. of Florida, Gainesville, FL.

http://library.conservefloridawater.org/publications/EZG%202%200%20beta%20Users%206_30_10.pdf