

STEPHANIE KELLER ABBE

SUMMARY OF QUALIFICATIONS

Laboratory Skills:

- Taxonomic identification and enumeration of phytoplankton and zooplankton species.
- Maintenance of algal cultures.
- Experience managing and organizing an abundance of laboratory samples.
- Expertise in processing a variety of plant and animal samples with respect to morphological measurements and wet and dry weight analyses.
- Taxonomic identification of a variety of aquatic plants and animals.
- Water chemistry analysis including chlorophyll, nitrogen and phosphorus species, color, alkalinity, and silica.
- Proficiency with a wide range of laboratory equipment including light microscopes, electron microscopes, balances, spectrophotometers, auto-analyzers, fluorometers, and coulter counters.

Data Analysis Skills:

- Proficiency with MS Office software including Word, Excel, and PowerPoint.
- Experience with statistical software including SAS and JMP.
- Experience in generating GIS maps using Arc View software.
- Ability to manage numerous large biological data sets.
- Ability to prepare maps and written reports.
- Presentation of findings at professional meetings.

Field Data Collection Skills:

- Experience with data collection in a variety of aquatic environments including freshwater, estuarine, and marine systems.
- Expertise in monitoring and collecting SAV and macroalgal samples.
- Species identification, specializing in SAV, macroalgae, and benthic invertebrates.
- Ability to design and execute *in situ* experiments.

- Operation of field equipment including light sensors, water quality instruments, and flow meters.
- AAUS Scientific SCUBA diver certification.
- Experience in operating 4-wheel drive vehicles and transporting boats.
- Experience in operating outboard powered boats less than 25 feet in length.
- Experience operating large oceanographic equipment such as CTD, optics cages, and rosettes.
- Experience with tagging and acoustic tracking techniques.
- Experience working in adverse conditions.

Management Skills:

- Several years of experience as a marine ecology lab manager.
- Experience mentoring and working directly with graduate students on development and execution of thesis research.
- Experience training graduate students to perform laboratory tasks and field procedures.
- Ability to design and develop field and laboratory based experiments.
- Experience with laboratory maintenance including equipment, chemical inventories, and protocols.
- Experience in ordering, labeling, and packing for field and lab efforts.
- Excellent organizational and networking skills.

WORK EXPERIENCE

October 2014 – present FWC St. Petersburg, FL
Biological Scientist II

- Phytoplankton analyst position with Dr. Katherine Hubbard in the HAB group at Florida Fish and Wildlife Research Institute. Assistant manager of the electron microscopy suite.

September 2007 – January 2013 University of Florida Gainesville, FL
Senior Biological Scientist

- Database management position with Dr. Thomas K. Frazer at the Department of Fisheries and Aquatic Sciences managing the laboratory database for several projects. Also assisting in field data collection.

March 2010 – September 2010 DEP Crystal River, FL

Technical Writer

- Temporary appointment with Department of Environmental Protection, Coastal and Aquatic Managed Areas, under Melissa Charbonneau. Assisted in writing and editing portions of the Aquatic Management Plan for Big Bend Seagrasses Aquatic Preserve.

February 2004 – September 2007 University of Florida Gainesville, FL

Senior Biological Scientist

- Marine Ecology Lab management position with Dr. Thomas K. Frazer at the Department of Fisheries and Aquatic Sciences managing all aspects of laboratory and field projects. Supervising research conducted in various aquatic environments including freshwater, estuarine, and marine systems. Management of laboratory space in keeping with EH&S standards, supervision of water quality analyses, assistance in data management and report writing. Acting as a liaison to graduate students for field and lab assistance and resources.

January 2003 – January 2004 University of Florida Gainesville, FL

Research Biologist

- Research position at the Department of Fisheries and Aquatic Sciences assisting in all aspects of laboratory, field, and office projects.

August 2000 – December 2002 University of Florida Gainesville, FL

Research Assistant

- Part-time assistant research position at the Department of Fisheries and Aquatic Sciences assisting in all aspects of laboratory, field, and office projects.

EDUCATION

January 2015 – April 2015 University of South Florida St. Petersburg, FL

- Non degree seeking participation in Scanning Electron Microscopy at the University of South Florida's School of Marine Science.

August 2000 – December 2002 University of Florida Gainesville, FL

Master of Science

- Received Master of Science degree at the Department of Fisheries and Aquatic Sciences with Dr. Thomas K. Frazer focusing on Marine Biology. Relevant coursework included Marine Ecology, Phycology, Seagrass Ecology, GIS, Aquatic Invertebrate Physiology, and Statistics.

August 1995 – December 1997 University of Florida Gainesville, FL

Bachelor of Science

- Received Bachelor of Science with honors majoring in Zoology. Relevant coursework included Ecology, Invertebrate Zoology, Genetics, Organic Chemistry, and Marine Biology.

1986 – 1995 Santa Fe Community College Gainesville, FL

Associate of Arts

- Began working towards my Associate of Arts degree while attending high school. Continued taking classes until ultimately deciding to pursue science.

PEER REVIEWED MAUNUSCRIPTS

Frazer, T.K., S.K. Notestein, C.A. Jacoby, C.J. Littles, **S.R. Keller** and R.A. Swett. 2005. Effects of storm-induced salinity changes on submersed aquatic vegetation in Kings Bay, Florida. *Estuaries and Coasts*. [In press]

Greenawalt, J.M., T.K. Frazer, **S.R. Keller** and C.A. Jacoby. 2004. Abundance and size of bay scallops in heterogeneous seagrass habitats along the Gulf coast of Florida. *Gulf of Mexico Science* 2004(1):74-84.

Keller, S.R., T.K. Frazer, and J.M. Greenawalt, 2003. The relationship between surface water nutrients, seagrasses and their associated epiphytes along Florida's central Gulf coast. [In preparation]

CONFERENCE PRESENTATIONS

Hubbard, K.A., Bruzek S.E., O'Dea, S., Farrell, A., Markley, L., Henschen, K., **Keller Abbe, S.R.**, Keafer, B., Tilney, C.L., Fernandes, L.F., Richlen, M.L., Flewelling, L.J., Sirois, A., Townsend, D.W., Olson, C.E., Tuney, I., Resetarits, E.J., Disney, J., Armbrust, E.V., Anderson, D.M., McGillicuddy, D.J. 2015. *Complex bloom dynamics revealed by genetic characterization of US Atlantic and Gulf of Mexico Pseudo-nitzschia communities. 8th Symposium on Harmful Algae in the US, Long Beach, CA (oral)*

Frazer, T.K., O. Schofield, M.A. Moline, S.M. Glenn, J. Kohut, R.J. Chant, **S.R. Keller**, M. Oliver, J.R. Reinfelder, M. Zhou and R.F. Chen. 2006. *LaTTE 2005: Super Size Me! Ocean Sciences Meeting, Honolulu, Hawaii [Online Abstract]*

Frazer, T.K., O. Schofield, M.A. Moline, S.M. Glenn, J. Kohut, R.J. Chant, **S.R. Keller**, M. Oliver, J.R. Reinfelder, M. Zhou and R.F. Chen. 2006. Coastal Ocean Observatories Enable Biological Investigations in a Buoyant Plume. *OCEANS 2006 MTS/IEEE: Revolutionizing Marine Science and Technology. Boston, Massachusetts [Online Abstract]*

Littles, C.J., T.K. Frazer., **S.R. Keller** and S.K. Notestein. 2005. Effects of pulsed salinity events on submersed aquatic macrophytes in Kings Bay. *American Society of Limnology and Oceanography Summer Meeting, Santiago de*

Compostela, Spain. [Online Abstract]

Frazer, T.K., S.K. Notestein, **S.R. Keller**, E.J. Phlips and C.E. Jett. 2003. Phosphorus limitation of a nitrogen enriched estuarine complex. *17th Biennial Conference of the Estuarine Research Federation, Seattle, Washington.*

Keller, S.R., T.K. Frazer, and J.M. Greenawalt. 2002. The relationship between surface water nutrients, seagrasses and their associated epiphytes along Florida's central Gulf coast. *31st Annual Marine Benthic Ecology Meeting, Orlando, Florida, March 2002.*

Greenawalt, J.M., T.K. Frazer and **S.R. Keller**. 2002. Mortality estimates of the southern bay scallop (*Argopecten irradians concentricus*) in the Gulf of Mexico. *31st Annual Marine Benthic Ecology Meeting, Orlando, Florida, March 2002.*

Keller, S.R. 2001. The relationship between surface water nutrients, seagrasses and their associated epiphytes along Florida's central Gulf coast. *Department of Fisheries and Aquatic Sciences Graduate Student Symposium, Gainesville, Florida, April 2001.*

TECHNICAL PAPERS, REPORTS, & BULLETINS

Notestein, S.K., T.K. Frazer, **S.R. Keller** and R.A. Swett. 2006. Kings Bay vegetation evaluation 2005. *Annual Report. Southwest Florida Water Management District, Brooksville, Florida. 92 pp.*

Frazer, T.K., S.K. Notestein, **S.R. Keller** and C.A. Jacoby. 2006. Water Quality Characteristics of the Nearshore Gulf Coast Waters Adjacent to Pasco County – Project COAST 2000 through 2005. *Final Report. Southwest Florida Water Management District, Brooksville, Florida. 46 pp.*

Frazer, T.K., S.K. Notestein, **S.R. Keller** and C.A. Jacoby. 2006. Water Quality Characteristics of the Nearshore Gulf Coast Waters Adjacent to Citrus, Hernando and Levy Counties – Project COAST 1997 through 2005. *Final Report. Southwest Florida Water Management District, Brooksville, Florida. 52 pp.*

Notestein, S.K., T.K. Frazer, **S.R. Keller** and R.A. Swett. 2005. Kings Bay vegetation evaluation 2004. *Annual Report. Southwest Florida Water Management District, Brooksville, Florida. 94 pp.*

Frazer, T.K., S.K. Notestein, **S.R. Keller** and C.A. Jacoby. 2005. Water Quality Characteristics of the Nearshore Gulf Coast Waters Adjacent to Pasco County – Project COAST 2000 through 2004. *Annual Report. Southwest Florida Water Management District, Brooksville, Florida. 10 pp.*

Frazer, T.K., S.K. Notestein, **S.R. Keller** and C.A. Jacoby. 2005. Water Quality Characteristics of the Nearshore Gulf Coast Waters Adjacent to Citrus, Hernando and Levy Counties – Project COAST 1997 through 2004. *Annual Report. Southwest Florida Water Management District, Brooksville, Florida.*

AWARDS AND ACCOMPLISHMENTS

University of Florida Department of Fisheries and Aquatic Sciences
Outstanding Graduate Student of the Year 2003