

CURRICULUM VITAE

Kathleen Tripp

EDUCATION

- Ph.D.**
2004-2008 **University of Florida: Gainesville, Florida**
College of Veterinary Medicine- Aquatic Animal Health Program
Major: Veterinary Medical Sciences
Degree Earned: May 2008
- Master's Certificate**
2004-2005 **University of Florida: Gainesville, Florida**
College of Engineering
Major: Environmental Policy and Management
Certificate Earned: January 2006
- Bachelor of Science**
1999-2003 **Eckerd College: St. Petersburg, Florida**
Major: Marine Science
Minors: Environmental Policy, Chemistry
Degree Earned: May 2003 (with honors)

PROFESSIONAL EXPERIENCE

- 2016-Present **Indian River Lagoon Citizens Advisory Committee**
▪ Work to promote IRL stewardship
- 2016- Present **Supervisor, Volusia Soil & Water Conservation District**
▪ Appointed to fill a vacated seat, then elected via November 2016 ballot
- 2015-2016 **Associate Supervisor, Volusia Soil & Water Conservation District**
▪ Appointed by a Board of elected officials
- 2014-2016 **Friends of the Marine Science Center- Ponce Inlet**
▪ Raised funds & promote awareness of the Center & its marine turtle and sea bird rehabilitation facilities
- 2012 **PI and Supervisor- Kings Bay Boating Study**
▪ Designed study, supervised intern data collection; analyzed data, compiled results
- 2011 **PI and Supervisor- Blue Spring and Crystal River winter manatee research**
▪ Designed & implemented project observing manatee behavior, supervised interns
- 2008- Present **Director of Science & Conservation**
Save the Manatee Club, Maitland, Florida
- 2005–2008 **Consultant: Comprehensive Everglades Restoration Project**
South Florida Water Management District: West Palm Beach & Ft. Myers, Florida
▪ Provided guidance to ensure that the freshwater, warm water, and other habitat needs of manatees would be met in the Picayune Strand Restoration Project in Collier County, FL. Assessment of hydrodynamic & geologic model data, analysis of other historical & forecasted environmental data.
- 2004-2008 **Graduate Research Assistant – Manatee Reproduction and Stress Research**
University of Florida: Gainesville, Florida
▪ Researched reproduction & stress in manatees, including gross, histological, & immunohistochemical examination of ovarian corpora lutea, & immunoassays to measure progesterone, cortisol, & ACTH. Gas chromatography, mass spectrometry analysis of manatee blood samples to determine metabolites.
- 2002-2007 **Manatee Health Assessment Participation**
Florida Fish and Wildlife Conservation Commission: Tampa Bay, Florida
U.S.G.S. Sirenia Project: Crystal River, Florida
Wildlife Trust: Gales Point, Belize
▪ Assisted with capture, data collection, & processing of biological samples.
- 2002-2003 **Undergraduate Thesis Research- Gross Morphology of the Manatee Ovary**
Marine Mammal Pathobiology Laboratory and Eckerd College: St. Petersburg, Florida
▪ Characterized the ovaries of the Florida manatee at various reproductive stages to create a guide by which these organs could be evaluated at necropsy.

- 2002 **Sea Turtle Program Intern- Clearwater Marine Aquarium: Clearwater, Florida**
▪ Patrolled Pinellas County beaches, marked & monitored nests, assisted with hatchling releases, salvaged carcasses, transported injured turtles, cared for turtles at the aquarium, & conducted informational sessions.
- 2001-2003 **Marine Mammal Pathobiology Laboratory (MMPL) Biologist**
Florida Fish & Wildlife Conservation Commission: St. Petersburg, Florida
▪ Assisted with manatee & cetacean necropsies, carcass salvage, marine mammal rescues, necropsy report editing, & general lab maintenance. Served as MMPL web team representative & wrote articles for agency website. Worked on aging manatees (via earbones) & conducted manatee ovarian & uterine research. Organized training workshops for members of the FL Marine Mammal Stranding Network, filled dolphin-related information requests, & corresponded with NOAA & other agencies regarding local cetacean strandings.
- 2000-2002 **Research Assistant**
Eckerd College: St. Petersburg, Florida
▪ Researched Hawaiian environmental & cultural issues.
- 2000-2001 **Desalination Researcher**
Lancy Foundation & Eckerd College: St. Petersburg, Florida
▪ Researched pertinent environmental, social, & economic issues surrounding a proposed desalination facility for Tampa Bay & prepared a Cost-Benefit Analysis.

CONFERENCES ATTENDED

2017	International Sirenian Symposium	Halifax, Nova Scotia
2017	Society for Ecological Restoration, Southeast Regional Symposium	Ocean Springs, MS
2016	Florida Springs Restoration Summit- Organizer, Session Chair, Presenter	Ocala, FL
2015	Florida Marine Mammal Health Conf. V- Presenter	Gainesville, FL
2012	Florida Marine Mammal Health Conf. IV Session Chair & Presenter	Sarasota, FL
2011	19 th Biennial Conference on the Biology of Marine Mammals	Tampa, FL
2008	Florida Marine Mammal Health Conference III- Presenter	St. Augustine, FL
2007	International Association for Aquatic Animal Medicine- Presenter	Orlando, FL
2006	International Association for Aquatic Animal Medicine- Presenter	Nassau, Bahamas
2005	Florida Marine Mammal Health Conference II	Gainesville, FL
2003	15 th Biennial Conference on the Biology of Marine Mammals- Presenter	Greensboro, NC
2001	15 th National Conference on Undergraduate Research- Presenter	Lexington, KY

ABSTRACTS AND PUBLICATIONS

Tripp, K. and I. Nkanta. 2017. Alternative Livelihoods Program Benefits West African Manatee and Human Communities in Nigeria. Abstracts- International Sirenian Symposium, 28 October, Halifax, Nova Scotia.

Tripp, K. P. Haydt, E. Hernandez. 2017. Community-Scale Enhancement & Restoration of the Rose Bay Watershed- Phase 1. Abstracts- Society for Ecological Restoration, Southeast Regional Symposium, 18-20 October, Ocean Springs, Mississippi.

Lazensky, R., M. Hunter, D. Moraga, B. Al-Khedery, F. Yu, C. Walsh, M. Gitzendanner, **K. Tripp**, M. Walsh, N. Denslow. 2016. Investigating the Gene Expression Profiles of Florida Manatees (*Trichechus manatus latirostris*) Rehabilitated Following a Red Tide. Submitted to Marine Mammal Science.

Lazensky, R. C. Silva-Sanchez, J. Li, M. Chow, S. Chen, K. Kroll, **K. Tripp**, M. Walsh, N. Denslow. 2016. Investigating an Increase in Florida Manatee (*Trichechus manatus latirostris*) Mortalities in 2013 Using a Proteomic Approach. Submitted to Marine Mammal Science.

Lazensky, R. N.D. Denslow, K.J. Kroll, M. deWit, M. Hunter, **K. Tripp**, C. Walsh, M. Walsh. Proteomics and Transcriptomics analyses of Florida Manatee (*Trichechus manatus latirostris*) Mortalities in 2013. Abstracts- Society of Environmental Toxicology and Chemistry, 6-10 November 2016, Orlando, Florida.

- Evans, J., B. Knight, **K. Tripp**, R. Clarke. Making Friends with Strangers: The Kings Bay Adaptive Management Experiment. Abstracts- Ecological Society of America, 7-12 August 2016, Ft. Lauderdale, Florida.
- Tripp, K.** 2016. They Are Not Ready. *Biosphere* No. 14: 18-23.
- Tripp, K.** 2014. Still at Risk, Manatees in Danger of Losing Protection. *One Green Planet*. Available online at <http://www.onegreenplanet.org/animalsandnature/still-at-risk-manatees-in-danger-of-losing-protection/>
- Tripp, K.** 2014. West Indian Manatees p. 55-56 in *Global Guide to Animal Protection*. A. Linzey, ed. University of Illinois Press, 344pp.
- Tripp, K.** 2013. Endangered Florida Manatees. *Marine Scientist* No. 45: 14-17.
- Tripp, K.** 2012. Florida's Endangered Manatees. *Seagrass-Watch* Issue 46: 3-7.
- Tripp, K.** 2009. Manatees: Ancient marine mammals in a modern coastal environment. *Ocean Challenge*. 16.2: 14-22.
- Tripp, K.** & L. Walsh. 2012. Summer Vessel Activity & Compliance in Important Manatee Habitat- Kings Bay, Florida. Page 45 in Abstracts- Florida Marine Mammal Health Conf. IV, 24-27 April, 2012. Sarasota, FL.
- Tripp, K.**, J.P. Verstegen, C.J. Deutsch, R.K. Bonde, M. DeWit, C. Manire, J. Gaspard III, K.E. Harr. 2009. Evaluation of adrenocortical function in Florida manatees (*Trichechus manatus latirostris*). *Zoo Biology* 29:1-15.
- Tripp, K.**, M. Dubois, P. Delahaut, J.P. Verstegen. 2009. Detection & identification of plasma progesterone metabolites in the Florida manatee (*Trichechus manatus latirostris*) using GC/MS/MS. *Theriogenology* 72:365-371.
- Tripp, K.**, J.P. Verstegen, C.J. Deutsch, R.K. Bonde, M. Rodriguez, B. Morales, D.L. Schmitt, K.E. Harr. 2008. Validation of a serum immunoassay to measure progesterone and diagnose pregnancy in the West Indian manatee (*Trichechus manatus*). *Theriogenology* 70: 1030-1040.
- Tripp, K.**, D.A. Samuelson, M.J. Fields, P.A. Lewis. Morphometric and immunohistochemical analyses of Florida manatee corpora lutea. Page 52 in Abstracts – Florida Marine Mammal Health Conference, 22-25 April 2008, St. Augustine, Florida.
- Tripp, K.** Reproductive and Stress Analyses in West Indian Manatees (*Trichechus manatus*). Ph.D. Dissertation. University of Florida, Gainesville: April 2008.
- Tripp, K.**, K. Harr, J. Verstegen. Evaluation of stress analyses in the Florida manatee. Pages 153-155 in Abstracts – 38th Conference of the International Association for Aquatic Animal Medicine, 5-9 May, 2007. Lake Buena Vista, Florida.
- Tripp, K.**, K. Harr, J. Verstegen. Validation of a serum-based pregnancy diagnostic for the Florida manatee. Pages 44-45 in Abstracts - 37th Conference of the International Association for Aquatic Animal Medicine, 6-10 May, 2006. Nassau, Bahamas.
- Tripp, K.** & S. Rommel. Functional morphology of the ovaries of the Florida manatee (*Trichechus manatus latirostris*). Page 165 in Abstracts - 15th Biennial Conference on the Biology of Marine Mammals, 14-19 Dec. 2003. Greensboro, North Carolina.
- Tripp, K.** Functional morphology of the ovaries of the Florida manatee (*Trichechus manatus latirostris*). Honors Thesis in Marine Science, May 2003. Eckerd College, St. Petersburg, Florida.
- Rommel, S., **K. Tripp**, & A. Costidis. Hypogastric fossae in Florida manatees: homologous or analogous to structures in terrestrial mammals? Pages 40 & 41 in R.E. Fordyce and M. Walker, eds. Abstracts – Third Conference on Secondary Adaptation to Life in Water, 9-13 Dec. 2002. Department of Geology, University of Otago, Dunedin, New Zealand.
- Tripp, K.** Does desal make “cents”? A Cost- Benefit Analysis of the Proposed Desalination Facility at Apollo Beach, Florida. In R.D. Yearout, ed. Proceedings – 15th National Conference on Undergraduate Research, 15-17 March, 2001. University of Kentucky, Lexington.

AWARDS AND HONORS

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| 2014-Present | Florida Springs Council Executive Committee |
| 2015-2016 | Manatee Rescue & Rehabilitation Partnership Monitoring Committee Chair |
| 2013-2015 | Co-Chair of Manatee Rescue & Rehabilitation Partnership |
| 2013-2016 | Gubernatorial Appointment to Florida's Boating Advisory Council |
| 2008 | Reep, Bonde Prize for Advancing Knowledge of Manatee Biology |

Kathleen Tripp

2006 & 2007 Florida League of Conservation Voters Betsy Wood Fellow
2006 Recipient of “Manatee Hero” Medal from Save the Manatee Club
2002-2003 Ford Foundation Scholar
2001-2002 Morris K. Udall Scholar for excellence in environmental policy
2000-2001 Lancy Foundation Scholar
1999-2003 Eckerd College Honors & Presidential Scholar

OTHER RELEVANT EXPERIENCE

- Open Water SCUBA Certified since 1994
- Kayaker, Surfer, and Water Enthusiast
- Active in local community- Harbor Oaks Neighborhood Association Board