

TERRY W. WILLIAMSON, JR.

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Chuluota, FL 32766

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Country of Citizenship: United States

Selective Service # 73-0185734-3

Veteran's Preferences: N/A

RE: Nomination for 2026 ESA Board of Professional Certification

***Employment
Experience***

Brevard County Natural Resources Management Department

2725 Judge Fran Jamieson Way

Viera, Florida 32924

Environmental Section Supervisor

Lead Environmental Scientist

Environmental Specialist

September 2018 - Present

July 2016 – September 2018

March 2012 – July 2016

Performs skilled professional work supervising a dynamic group of professional & technical staff. Supervises in the preparation of scientific & environmental grant proposals, permit applications, agency reports, data analysis, & correspondence with funding agencies. Serves as a liaison with Federal, State, County, & municipal officials concerning environmental sensitive issues related to flood control, restoration, mitigation & water conveyance. Manages County wide catastrophic fish kills & red tide mitigation. Provides program management for harmful algae bloom research & monitoring Capital Improvement Projects. Supervises skilled professional work planning, developing, communicating, implementing & evaluating environmental programs & stormwater pollution control. Supervises staff on environmental assessments of county facilities, preparing stormwater contamination prevention plans, recommending best management practices to comply with permit requirements, & supervising department-specific national pollutant discharge elimination system compliance training programs. Designs environmental monitoring studies, pollution research & restoration projects to understand long term trends in local aquatic ecosystems. Manages & reports on a long-term recipient site for Gopher Tortoises. Writes, submits & manages grants and delivers presentations.

Keystone Ecological Services, LLC

883 Snow Queen Dr.

Oviedo, Florida 32766

Principal

January 2018 – Present

Provides listed imperiled species determination & if needed, relocation. Act as technical advisor to clients on habitat needs of listed species. Plan & conduct status assessments for listed species for local agency personnel, contractors, private individuals & other stockholders.

Cardno ENTRIX

3850 N Causeway Blvd

Metairie, Louisiana 70002

Field Specialist

Field Team Lead/Data Manager

September 2010 – March 2012

March 2011 – December 2011

Responded to the British Petroleum Deepwater Horizon MC252 oil spill in the Gulf of Mexico. Participated in field activities as part of the natural resource damage assessment team for Louisiana's inshore, nearshore & offshore fisheries; & nearshore cetacean & marine turtle prey item sampling. Trained personnel for specialized fieldwork activities for two Alabama offshore plans & an Alabama & Mississippi inshore plan. Louisiana Department of Wildlife & Fisheries Saltwater Scientific Collecting Permit holder.

University of Central Florida Marine Turtle Research Group

4000 Central Florida Blvd

Orlando, Florida 32816

Marine Turtle Biologist, Research Associate

Marine Turtle Biologist, Project Manager

Project Manager, Graduate Research Assistant

May 2011 – May 2012

December 2009 – May 2011

May 2004 – December 2009

Adhered to the Endangered Species Act in preparing & presenting technical & professional reports to county & state agencies on multiple contracts & permits. Contracts totaling over \$800,000 in sponsored research and grant funding. Under the Endangered Species Act worked with Brevard County employees to ensure the maintenance of marine turtle nesting habitat during & following beach nourishment projects. Conducted & managed nesting beach surveys for two state marine turtle monitoring programs (SNBS & INBS) & regular beach light pollution surveys on beach nourishment projects & on the Archie Carr National Wildlife Refuge. Supervised, trained & organized undergraduate and graduate employees. Assisted in maintaining & managing the largest marine turtle database in the world. Applied many tissue sampling, tagging (including application of satellite tags) & capture techniques as well as lavage. Educated politicians, outside researchers & donors on the ecology, biology & behavior of marine turtles. Directed the tangle net deployment & net tending over near-shore oceanic reef, Indian River Lagoon & man-made basin at Cape Canaveral Air Force Station.

Southern States Cooperative, Inc.

Branch Manager – Gainesville, GA Service

Jul 2002 – Jan 2003

Assistant Manager – Gainesville, GA Service

Nov 2001 – Jul 2002

Associate Manager – Anderson, SC Service

Dec 2000 – Nov 2001

Management Associate Trainee – Winder, GA Service

Mar 2000 – Dec 2000

Employed, trained, directed & supervised full time and part time personnel. Performed management functions, such as volume building, merchandising, budgeting, credit control, accounting, inventory & expense control. Handled all communications, report filing, & inventory. Supervised use of assigned equipment for maximum efficiency. Responsible & accountable for all environmental & safety compliance. Operated the business with adequate return on investment to keep it financially sound. Developed advertising, merchandising techniques & programs. Visited potential patrons to promote sales. Advised patrons & other employees with respect to technical commodity needs & handled patrons' complaints. Holder of South Carolina Pesticide Dealer License; & holder of South Carolina & Georgia Department of Agriculture Pesticide Commercial Applicators License

Berry College Gunby Equine Center

2277 Martha Berry Hwy

Mount Berry, Georgia 30149

Equine Center Manager

Aug 1996 – Oct 1998

Responsible for managing all aspects of equine care for over 70 horses, supervised 20 part time student employees & oversaw the maintenance of the boarding barn, farm facilities, vehicles & equipment. Coordinated & scheduled veterinarians, equestrian team coach, farriers & other equine professors. Taught several adult continuing education classes. Strengthened active breeding program, including collecting & shipping semen.

Education**University of Florida**

Non-Degree

Gainesville, FL

May 2022

Relevant Courses:

Algae Biology & Ecology

Oregon State University

Non-Degree

Corvallis, OR

September 2021

Relevant Courses:

Species Recovery Planning & Restoration

Structured Decision Making in Natural Resource Management

Rollins College – Roy E. Crummer Graduate School of Business
Management Program Certificate

Winter Park, FL
May 2016

University of Central Florida

Master of Science, Biology
Advisor: L.M. Ehrhart

Orlando, FL
December 2009

Relevant Courses:

Marine Turtle Biology	Herpetology
Marine Vertebrate Ecology	Wetlands Ecology
Methods of Experimental Ecology	Zoo & Aquarium Biology
Applied Conservation Biology	Statistical Analysis
Comparative Animal Physiology	Biology Lab Techniques
Behavior Ecology	

Berry College

Bachelor of Science
Animal Science Major, (Pre-Veterinarian Medicine)
Chemistry Minor

Mount Berry, GA
May 1996

Scholarships: O. Wayne Rollins Student Work Award, Bob & Janice Rowland Endowed Academic Scholarship, Rowland Memorial Academic Scholarship, Armuchee Optimist Club 'Student of the Year' Scholarship, Kathryn & Julius Elrod Work Scholarship, H.I. Jones Agriculture Scholarship

Professional Registration

Certified Senior Ecologist
Authorized Gopher Tortoise Agent - Florida Fish & Wildlife Conservation Commission –
Permit #GTA-13-00004 & Permit #GTLR-11-00002
Board Certified Environmental Scientist: Environmental Biology Specialty – Member #15-60009

***Teaching
Experience***

College Level Teaching Experience

City College, Altamonte Springs, FL; October 2015 – April 2020

Adjunct Instructor
Microbiology MCB2010
Classes Taught: 1
Living in the Environment EVR1001
Classes Taught: 5
Critical Thinking IDS2350
Classes Taught: 5

Indiana Wesleyan University, Marion, IN; April 2015 – March 2019

Online Adjunct Instructor
Environmental Conservation BIO 203
Classes Taught: 4

ITT Technical Institute, Lake Mary, FL; December 2014 – September 2016

Adjunct Instructor
Environmental Science SC4730
Classes Taught: 3

Keiser University, Orlando, FL; March 2012 – September 2012

Adjunct Hybrid Instructor
General Biology BSC 1010
Advanced Biology BCS 1011

Keiser University, Orlando, FL; January 2010 – August 2010

Adjunct Instructor
General Biology BSC 1010 & BSC 1010L
Advanced Biology BSC 1011 & BSC 1011L

Community Teaching Experience

Co-Instructor: Parenting Classes – Families Count: Lifeline Children’s Services - Present
 Co-Instructor: Green Industries – Best Management Practices, UF/IFAS, FDACS – 2012-2016
 Co-Instructor: Florida Stormwater, Erosion & Sedimentation Control Inspector Training and Certification Program, FDEP – 2012-2016
 Instructor: Biology Summer Field Institute, University of Central Florida – Present
 Scientific Collecting Permit #LSSC-19-00069
 Instructor: Pollution Prevention (P2) Employee Training – 2012-2016
 Instructor: Understanding Generational Differences – NATRES: Lunch & Learn – 2016 & 2023
 Lead Instructor: Ichthyology Necropsy Workshop, Cardno ENTRIX – 2011

***Sponsored Research
& Grant Funding***Total Direct Costs: **\$1,233,273.53****Completed**

Aug 2014-Dec 2016 (Project Manager, 100%)
 Restoration Grant - Installation of a Hydroponic Islands to Uptake Nutrients
 TMDL Water Quality Restoration Grant
 Florida Department of Environmental Protection – G0430
 Total Direct Cost: \$398,015.00

Jan 2013-Mar 2017 (Project Manager, 100%)
 Florida Department of Environmental Protection – S0648
 Total Direct Cost: \$117,000.00

Jan 2013-Feb 2017 (Project Manager, 100%)
 “Today’s Leaves & Grass Clipping; Tomorrows Indian River Lagoon Muck”
 Indian River Lagoon National Estuary Program
 Total Direct Cost: \$11,000.00

Feb 2011-Mar 2013 (Project Manager, 100%) PI: L.M. Ehrhart
 Brevard County Shore Protection: South Reach Sand Compaction & Escarpment
 Annual Direct Costs: \$2,986.83
 Total Direct Costs: \$11,947.32

Feb 2005-Mar 2012 (Project Manager, 100%) PI: L.M. Ehrhart
 Brevard County Shore Protection: Mid Reach/South Beaches Compaction & Escarpment
 Annual Direct Costs: \$7245.50
 Total Direct Costs: \$57,964.00

May 2010-Dec 2010 (Project Manager, 100%) PI: L.M. Ehrhart
 South Reach Main Season Comparative Reporting
 Total Direct Cost: \$1,470.00

May 2010-Dec 2010 (Project Manager, 25%) PI: L.M. Ehrhart
 Condominium Sandbag System Protection Project
 Total Direct Cost: \$9,123.56

May 2009-Dec 2010 (Project Manager, 33%) PI: L.M. Ehrhart
 Emergency Dune Project Brevard County Main Season
 Annual Direct Costs: \$117,785.14
 Total Direct Costs: \$235,570.28

Sept 2009-May 2010 (Project Manager, 100%) PI: L.M. Ehrhart
 South Reach Renourishment Construction Protection Project
 Total Direct Costs: \$31,026.24

Mar 2005-Apr 2009 (Project Manager, 100%) PI: L.M. Ehrhart
 Brevard County Office of Natural Resource Management Early Season
 Annual Direct Costs: \$29,470.95
 Total Direct Costs: \$147,354.74

May 2005-Dec 2008 (Project Manager, 100%) PI: L.M. Ehrhart

Brevard County South Reach Main Season Shore Protection Project
Annual Direct Costs: \$46,983.15
Total Direct Costs: \$187,932.61

Mar 2005-Apr 2005 (Project Manager, 100%) PI: L.M. Ehrhart
FEMA/FDEP Emergency Berms Early Season Protection Project
Total direct cost: \$24,869.78

Consultancies **Naval Undersea Warfare Center/UCF, Marine Turtle Research Group** Cape Canaveral, FL
Marine Turtle Biologist June 2012
Hired for a study on behavioral effects of submarine sonar signals on Cheloniidae species at Cape Canaveral Air Force Station.

Coastwise Consulting, Inc. Athens, GA
Field Biologist - Independent Contractor November 2011
Participated in environmental monitoring & mitigating the impacts to protected species by sweep & relocation trawling during dredging operations of the 2011 Panama City Beach nourishment project.

Inwater Research Group, Inc. Destin, FL
Marine Turtle Biologist August 2010
Responded to the British Petroleum Deepwater Horizon MC252 oil spill in the Gulf of Mexico.
Participating in field activities as part of the Deepwater Horizon oil spill marine turtle recovery.

Brevard County Natural Resources Management Office Melbourne Beach, FL
Field Supervisor/Biologist - Independent Contractor December 2009-January 2010
Supervised & instructed the insulation of 101,000 sea oats by subcontractor on Archie Carr National Wildlife Refuge emergency dune restoration project.

UCF, Geospatial Analysis & Modeling of Ecological Systems Lab Orlando, FL
Independent Contractor Apr 2005
Engineered portable LiDAR backpack cradles for field activities to quantify changes in the vertical organization in tropical forests from human disturbances as featured in Claudia M. C. S. Listopad, Jason B. Drake, Ron E. Masters, & John F. Weishampel. 2011. Portable & Airborne Small Footprint LiDAR: Forest Canopy Structure Estimation of Fire Managed Plots. Remote Sensing. 3:1284-1307.

Equine Breeding Rome, GA
Equine Breeding Specialist - Independent Contractor 1996-1998
Hired for the selective breeding management of equine/bovine by artificial insemination &/or live cover, including semen analysis, follicle evaluation (ultrasound) & various synchronization protocols for timed artificial insemination.

Contributed Conference Presentations

Williamson, T., A. Ataman, G. Turner, S. Cole, C. Loadholtz, V. Barker. 2026. Sound Solutions: Evaluating Ultrasound as an Innovative Approach to Mitigate Harmful Algal Blooms in Florida's Estuarine Canals. Indian River Lagoon Symposium 2026 – Emerging Technology & Novel Methods, 19 February 2026. Fort Pierce, Florida. – Poster.

Hansen, J., A. Klingenberg, J. Zehnder, O. Escandell, T. Provoncha, P. Sacks, M. Donnelly, **T. Williamson**, & V. Barker. 2023. Testing Alternative Materials for Oyster Restoration in the Indian River Lagoon. Indian River Lagoon Symposium 2023 – IRL Seagrass, 23-24 February 2023. Fort Pierce, Florida.

Reyier, A. & **T. Williamson**. 2025. Environmental DNA: A New Tool for Assessing Fish Diversity in Man Made Canals of the Indian River Lagoon. Indian River Lagoon Symposium 2025 – IRL Changing Climate, 20-21 February 2025. Fort Pierce, Florida. – Poster.

Affiliations & Memberships The Ecological Society of America
American Academy of Environmental Engineers and Scientists
Eastern Florida State College's Chemical Technology program advisory board member
City College's Allied Health Department program advisory committee member
Boy Scouts of America

***Specialized
Training***

Executive Leadership Institute - Brevard County
Venomous Reptile Handling Certification – The Rattlesnake Conservancy
Wilderness/Remote Location First Aid – International Wilderness Medicine Educators, LLC
Southeast Area Maritime Industry Safety Training – 40 hour
FDEP SOPs for Surface and Groundwater Sampling & Meter Testing – University of Florida
Stormwater Operator Certification – Level 2 – Florida Stormwater Association
Project Design & Evaluation – NOAA Coastal Services Center
Wetland Delineation Training – Florida Department of Environmental Protection
Stream Condition Index & Habitat Assessment Training
Rapid Periphyton Survey Training
Linear Vegetation Survey Training
Numeric Nutrient Criteria Implementation Training
Ichthyology Necropsy Workshop – Oregon State University
Hazardous Waste Operations & Emergency Response training – 24 hour
OSHA Chemical Spill Response Training
Bloodborne Pathogen Risk Management training