

Boards Application Form

Profile

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Submitted

<u>Dr.</u>	<u>Paul</u>	<u>A.</u>	<u>Schmalzer</u>
Prefix	First Name	Middle Initial	Last Name

schmalzp@digital.net
Email Address

<u>2829 Mourning Dove Way</u>	<u></u>
Home Address	Suite or Apt

<u>Titusville</u>	<u>FL</u>	<u>32780</u>
City	State	Postal Code

<u>Home: (321) 446-7580</u>	<u>Home: (321) 268-5473</u>
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

42 years

To which Commissioner are you applying?

N/A

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)
 The EEL Selection and Management Committee serves as an expert volunteer scientific advisory committee to the County Commission on all issues involving the acquisition and management of environmentally endangered lands with the EEL Program protected area network in Brevard County. **The committee also has two seats for experts in the fields of business, finance or real estate.** Please complete the following information and **include your resume as an attachment** when submitting this application for consideration as a volunteer member of the Selection and Management Committee.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

B.S. Biology, M.S. Ecology, Ph.D. Ecology; 40+ years professional experience; 55 published papers, numerous technical documents and presented papers. See CV for details.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques. NOT required for applicants applying for the positions related to business, finance or real estate.

40 + years of experience working in Brevard County ecosystems. See CV for details.

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

Retired. Not serving on any state, regional, or county governmental boards. Member of Board of Directors of the Florida Native Plant Society. President, Sea Rocket Chapter (North Brevard) Florida Native Plant Society

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

No

Please explain your interests and experiences.

Extensive experience in Brevard County ecosystems, familiarity with EEL Sanctuaries, understanding of history of the EEL Program

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

Previously served on Selection and Management Committee from 1990-2021

Brevard County Board of County Commissioners strives to promote diversity and provide reasonable accommodations for individuals with disabilities. If you are requesting an accommodation, please indicate below.

NA

[PAS_CV_2025.pdf](#)

Upload a Resume

Agreement

Advisory committees are subject to the Florida open meetings (Sunshine) and public records laws; your response with a completed application with your contact information is a public record; if chosen as a member of the committee, any communications to you from the County or from you to the County in regard to the committee will be a public record.

Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree

PAUL A. SCHMALZER

EDUCATION

Western Maryland College, B.A. Biology 1976
The University of Tennessee, M.S. Ecology 1978
The University of Tennessee, Ph.D. Ecology 1982

EXPERIENCE

Forty years of experience in the design and implementation of ecological research, environmental impact analysis, and biological surveys. Expertise in terrestrial plant ecology, fire ecology, restoration ecology, vascular flora, vegetation sampling, and vegetation data analysis.

HERNDON SOLUTIONS GROUP

Senior Plant Ecologist, Kennedy Space Center, Florida. October 2020-September 2023
Conduct studies of Kennedy Space Center vegetation, fire ecology, and restoration of scrub and wetlands vegetation. Conduct studies of rare plant distributions and ecology. Provide technical guidance to the Vegetation Studies Group. Maintain KSC Herbarium.

INTEGRATED MISSION SUPPORT SERVICES

Senior Plant Ecologist, Kennedy Space Center, Florida. November 2015-September 2020
Conduct studies of Kennedy Space Center vegetation, fire ecology, and restoration of scrub and wetlands vegetation. Conduct studies of rare plant distributions and ecology. Provide technical guidance to the Vegetation Studies Group. Maintain KSC Herbarium.

UNIVERSITY OF CENTRAL FLORIDA, DEPARTMENT OF BIOLOGY

Courtesy Research Associate, Orlando, Florida. March 2016-2022, 2023-

INNOVATIVE HEALTH APPLICATIONS/INOMEDIC HEALTH APPLICATIONS

Technical Lead, Plant Ecologist, Kennedy Space Center, Florida. October 2009-October 2015
Conduct studies of Kennedy Space Center vegetation, fire ecology, and restoration of scrub and wetlands vegetation. Conduct studies of rare plant distributions and ecology. Provide technical guidance to the Vegetation Studies Group. Maintain KSC Herbarium.

DYNAMAC CORPORATION

Technical Lead, Plant Ecologist, Kennedy Space Center, Florida. January 1995 - September 2009
Conduct studies of Kennedy Space Center vegetation, fire ecology, and restoration of scrub and wetlands vegetation. Conduct studies of rare plant distributions and ecology. Provide technical guidance to the Vegetation Studies Group. Maintain KSC Herbarium. Monitor scrub restoration efforts on Cape Canaveral Air Force Station. Directed studies of effects of rocket launches on Cape Canaveral Air Station. Directed study of threatened and endangered species on Patrick Air Force Base. Directed study of historical vegetation of the Indian River Lagoon Basin. Conducted studies of the flora and rare plants of Canaveral National Seashore. Conducted studies of the occurrence and distribution of rare scrub plants in Brevard County.

THE BIONETICS CORPORATION

Technical Lead, Plant Ecologist, Kennedy Space Center, Florida. 1993-1994.
Conducted studies of Kennedy Space Center vegetation, fire ecology, and restoration of scrub and wetlands vegetation. Provided technical guidance to the Vegetation Studies Group.

Plant Ecologist, Kennedy Space Center, Florida. 1982-1993.

Conducted studies of the vegetation of Kennedy Space Center in relation to environmental variables, successional patterns, fire effects, and space center operations. Contributed to studies of animal habitat use. Conducted studies of vegetation, exotic plants, and potential environmental impacts and coordinated studies of fire history and soil erosion on Vandenberg Air Force Base, California.

FLORIDA INSTITUTE OF TECHNOLOGY

Research Scientist, Plant Ecologist (part time). Melbourne, Florida. 1993-1995.

Brevard County Scrub Habitat Conservation Plan. Helped develop proposal to conduct study of scrub habitat in Brevard County in relation to Florida Scrub-Jay habitat requirements and other rare or declining scrub species. Specific duties include plant sampling protocol, scrub plant identification, report preparation, and graduate student training.

BREVARD COUNTY

Member, Environmentally Endangered Lands Selection and Management Committee (volunteer). 1990- 2021. Emeritus Member 2022-2025

Helped develop criteria for determination of environmentally endangered lands and priorities for acquisition. Examined numerous sites, prepared reports, and made recommendations regarding acquisition. Helped prepare proposals to State of Florida Conservation and Recreational Lands (CARL) Program, Florida Forever Program, and the Florida Community Trust. Helped develop management criteria and reviewed management plans. Conducted numerous site visits to examine management activities and requirements.

THE UNIVERSITY OF TENNESSEE

Graduate Research Assistant, Ecology Program, Knoxville, Tennessee, 1979-1982.

National Park Service Obed River Vegetation Project. Conducted vegetation survey, prepared vegetation map, conducted survey for endangered and threatened plants and critical plant habitats, prepared floristic list, and prepared report.

National Park Service contract to H.R. DeSelm: Classification of the Vegetation of the Interior Low Plateau. Helped to gather and synthesize literature on vegetation of the Interior Low Plateau and to prepare report.

National Park Service contract to H.R. DeSelm: Evaluation of Five Potential National Natural Landmarks in Tennessee. Helped to gather field data and available information on topography, geology, soils, and vegetation of five proposed National Natural Landmarks in Tennessee.

Hilton Smith Fellowship, 1978-1979.

Graduate Teaching Assistant, 1977-1978.

Taught general biology, prepared lectures and conducted labs.

Non-Service Fellowship, 1976-1977.

PROJECT HISTORY:

National Aeronautics and Space Administration, Kennedy Space Center, 1982-Present. Principal investigator. Designed and implemented vegetation monitoring program for Kennedy Space Center, Florida including long-term studies of changes after fire. Conduct studies of effects of Space Shuttle launches on terrestrial vegetation and soils and help maintain long-term databases of launch deposition patterns.

National Aeronautics and Space Administration, Kennedy Space Center, 1992-Present. Principal investigator. Collaborate on the design and implementation of a scrub restoration program for Kennedy Space Center. Monitor vegetation changes after combinations of cutting and burning to restore long-unburned scrub habitat. Monitor survival and growth of scrub species planted in former agricultural sites.

National Aeronautics and Space Administration, Kennedy Space Center, and U.S. Fish and Wildlife Service, Merritt Island National Wildlife Refuge. 2010-2011. Principal investigator. Design and implement program monitoring vegetation response to restoration of hardwood swales in scrub and flatwoods landscapes on Kennedy Space Center/Merritt Island National Wildlife Refuge.

U.S. Air Force, 45th Space Wing, 2010-2011. Co-investigator. Compile floristic inventory of selected wetlands areas on Cape Canaveral Air Force Station as part of a comprehensive survey of flora and fauna.

National Park Service, Canaveral National Seashore, 2002-2004. Principal investigator. Compile floristic inventory and survey for threatened and endangered plants on Canaveral National Seashore, Florida.

Brevard County Natural Resources Management Office, 2004-2005. Principal investigator. Conduct surveys for threatened and endangered scrub plants in Brevard County, Florida.

Brevard County Natural Resources Management Office, 2003-2004. Principal investigator. Conduct surveys for selected threatened and endangered plants in Brevard County, Florida.

U.S. Air Force, 45th Space Wing, 1998-2003. Principal investigator. Designed and coordinated the implementation of a scrub restoration program for Cape Canaveral Air Force Station, Florida. Monitored vegetation changes after combinations of cutting and burning to restore long-unburned scrub habitat.

National Aeronautics and Space Administration, Kennedy Space Center, Remediation Program, 1998-2000. Co-principal investigator. Helped to design and implement baseline chemical characterization study for Kennedy Space Center, Florida. Responsible for technical direction of soil and groundwater sections of the study.

U.S. Air Force, 45th Space Wing, 1995-1998. Principal investigator. Coordinated and helped to design program to monitor effects of Delta, Atlas, and Titan rocket launches on the environment of Cape Canaveral Air Force Station, Florida.

U.S. Air Force, 45th Space Wing, 1995-1997. Principal investigator. Coordinated and helped to design threatened and endangered species survey for Patrick Air Force Base, Florida.

St. Johns River Water Management District, 1995-1997. Co-principal investigator. Coordinated and helped to design project to map historical vegetation of the Indian River Lagoon Basin, Florida

GRADUATE STUDENT COMMITTEES:

Shannon Boyle, Florida Institute of Technology, M. S. Biology, December 1996
Theresa K. Burcsu, University of North Carolina Chapel Hill, M. A. Geography, July 1998
Lisa Earnest, University of South Florida, M.S. Marine Science, University of South Florida, December 1998

PROFESSIONAL SERVICE

Ecological Society of America: Member Board of Professional Certification, 2020-2024
Florida Native Plant Society: Chair, Science Advisory Committee, 2006-Present
Southern Appalachian Botanical Society: Editor, *Castanea*, 2001-2003
Southeastern Chapter, Ecological Society of America: Vice-Chair, 1993-1995; Secretary-Treasurer, 2000-2002; Chair, 2002-2004

PROFESSIONAL ACTIVITIES

American Association for the Advancement of Science
American Institute of Biological Sciences
Association of Southeastern Biologists
Brevard County Environmentally Endangered Lands Selection and Management Committee.
Ecological Society of America
Florida Academy of Science
Florida Native Plant Society
International Association for Vegetation Science
International Association for Wildland Fire
Natural Areas Association
Society of Wetland Scientists
Southern Appalachian Botanical Society
Tennessee Academy of Science
Torrey Botanical Society

CERTIFICATIONS

Certified Senior Ecologist, Ecological Society of America, 1994-Present

HONORS

NASA Kennedy Space Center Engineer/Scientist of the Year, 2018, Contractor Division
Florida Native Plant Society, Silver Palmetto Award, 2018
Florida Native Plant Society, Silver Palmetto Award, 2009
Florida Native Plant Society, Green Palmetto Award, 2005
The Nature Conservancy, Florida Chapter Conservation Colleague Award, 1995
NASA Manned Flight Awareness Award of Merit, 1989
Phi Kappa Phi, The University of Tennessee, 1982
H.P. Sturdivant Biology Award, Western Maryland College, 1976

PUBLICATIONS/TECHNICAL REPORTS/PRESENTATIONS

Published Papers:

Schmalzer, P.A., C.R. Hinkle, and H.R. DeSelm. 1978. Discriminant analysis of cove forests of the Cumberland Plateau in Tennessee. p. 62-86. In: P.E. Pope (ed.). Proceedings Central Hardwoods Forest Conference II. Purdue University, West Lafayette, Indiana.

Schmalzer, P.A., C.R. Hinkle, and H.R. DeSelm. 1980. Vegetation patterns in a section of the Obed Wild and Scenic River, Cumberland County, Tennessee. p. 256-272. In: H.E. Garrett and G.E. Cox (eds.). Proceedings Central Hardwood Conference III. University of Missouri, Columbia.

- Schmalzer, P.A., T.S. Patrick, and H.R. DeSelm. 1985. Vascular flora of the Obed Wild and Scenic River, Tennessee. *Castanea* 50:71-88.
- Provancha, M.J., P.A. Schmalzer, and C.R. Hall. 1986. Effects of the December 1983 and January 1985 freezing air temperatures on select aquatic poikilotherms and plant species of Merritt Island, Florida. *Florida Scientist* 49:199-212.
- Hinkle, C.R., C.R. Hall, M.J. Provancha, P.A. Schmalzer, A.M. Koller, Jr., and W.M. Knott, III. 1988. The use of remotely sensed environmental data and geographic referenced data management for environmental impact assessments. Chemical Propulsion Information Agency (CPIA) Publication 485.
- Schmalzer, P.A. 1988. Vegetation of the Obed River gorge system, Cumberland Plateau, Tennessee. *Castanea* 53:1-32.
- Schmalzer, P.A. 1989. Vegetation and flora of the Obed River gorge system, Cumberland Plateau, Tennessee. *Journal of the Tennessee Academy of Science* 64:161-168.
- Breining, D.R. and P.A. Schmalzer. 1990. Effects of fire and disturbance on plants and birds in a Florida oak/palmetto scrub community. *American Midland Naturalist* 123:64-74.
- Levine, J.S., W.R. Cofer, III, D.I. Sebacher, R.P. Rhinehart, E.L. Winstead, S. Sebacher, C.R. Hinkle, P.A. Schmalzer, and A.M. Koller, Jr. 1990. The effects of fire on biogenic emissions of methane and nitric oxide from wetlands. *Journal of Geophysical Research* 95:1853-1864.
- Breining, D.R., P.A. Schmalzer, and C.R. Hinkle. 1991. Estimating occupancy of gopher tortoise (*Gopherus polyphemus*) burrows in coastal scrub and slash pine. *Journal of Herpetology* 25:317-321.
- Schmalzer, P.A., C.R. Hinkle, and A.M. Koller, Jr. 1991. Changes in marsh soils for six months after a fire. p. 272-286. In: J.S. Levine (ed.). *Global Biomass Burning Atmospheric, Climatic, and Biospheric Implications*. The MIT Press. Cambridge, Massachusetts.
- Schmalzer, P.A. C.R. Hinkle, and J.L. Mailander. 1991. Changes in community composition and biomass in *Juncus roemerianus* Scheele and *Spartina bakeri* Merr. marshes one year after a fire. *Wetlands* 11:67-86.
- Duncan, B.W. and P.A. Schmalzer. 1992. Using ARC/INFO to monitor Space Shuttle launch effects and validate a spatial predictive model. p. 499-506. In: *Proceedings of the Twelfth Annual ESRI User Conference, Volume 1*. Environmental Systems Research Institute, Inc. Redlands, California.
- Schmalzer, P.A. and C.R. Hinkle. 1992. Recovery of oak-saw palmetto scrub after fire. *Castanea* 57:158-173.
- Schmalzer, P.A. and C.R. Hinkle. 1992. Soil dynamics following fire in *Juncus* and *Spartina* marshes. *Wetlands* 12:8-21.
- Schmalzer, P.A. and C.R. Hinkle. 1992. Species composition and structure of oak-saw palmetto scrub vegetation. *Castanea* 57:220-251.
- Hinkle, C.R., W. McComb, J.M. Safley, Jr., and P.A. Schmalzer. 1993. Mixed mesophytic forests. p. 203-253. In: W.H. Martin, S.G. Boyce, and A. C. Echternacht (eds.). *Biodiversity of the*

Southeastern United States: Upland Terrestrial Communities. John Wiley & Sons, Inc., New York.

Schmalzer, P.A. and C.R. Hinkle. 1993. Effects of fire on nutrient concentrations and standing crops in biomass of *Juncus roemerianus* and *Spartina bakeri* marshes. *Castanea* 58:90-114.

Schmalzer, P.A., C.R. Hall, C.R. Hinkle, B.W. Duncan, W.M. Knott III, and B.R. Summerfield. 1993. Environmental monitoring of Space Shuttle launches at Kennedy Space Center: the first ten years. American Institute of Aeronautics and Astronautics Conference Paper AIAA93-0303. 16p.

Swain, H., C.R. Hinkle, and P.A. Schmalzer. 1993. Stewardship at the local level: a case study for Brevard County, Florida. p. 452-462. In: W.E. Brown and S.D. Veirs, Jr. (eds.). *Partners in Stewardship: Proceedings of the 7th Conference on Research and Resource Management in Parks and on Public Lands*. George Wright Society. Hancock, Michigan.

Breining, D.R., P.A. Schmalzer, and C.R. Hinkle. 1994. Gopher tortoise (*Gopherus polyphemus*) densities in coastal scrub and slash pine flatwoods in Florida. *Journal of Herpetology* 28:60-65.

Duncan, B.W. and P.A. Schmalzer. 1994. Using a geographical information system for monitoring Space Shuttle Launches: determining cumulative distribution of deposition and an empirical test of a spatial model. *Environmental Management* 18:465-474.

Duncan, B.W., D.R. Breining, P.A. Schmalzer, and V.L. Larson. 1995. Validating a Florida Scrub Jay habitat suitability model, using demography data on Kennedy Space Center. *Photogrammetric Engineering and Remote Sensing* 61:1361-1370.

Schmalzer, P.A. 1995. Biodiversity of saline and brackish marshes of the Indian River Lagoon: historic and current patterns. *Bulletin of Marine Science* 57:37-48.

Duncan, B. W., S. Boyle, P. A. Schmalzer and D. R. Breining. 1996. Spatial quantification of historic landscape change within two study sites on John F. Kennedy Space Center. *Proceedings of the Sixteenth Annual ESRI User Conference*. Published on CD-ROM and on the World Wide Web at www.esri.com.

Schmalzer, P.A. and C.R. Hinkle. 1996. Biomass and nutrients in aboveground vegetation and soils of Florida oak-saw palmetto scrub. *Castanea* 61:168-193.

Schmalzer, P. A. B. W. Duncan, V. L. Larson, S. Boyle, and M. Gimond. 1996. Reconstructing historic landscapes of the Indian River Lagoon Basin. p. 849-854. In: *Proceedings of Eco-Inforna'96: Global Networks for Environmental Information, Volume 11*. Environmental Research Institute of Michigan, Ann Arbor.

Schmalzer, P. A., and S. R. Boyle. 1998. Restoring long-unburned oak-saw palmetto scrub requires mechanical cutting and prescribed burning (Florida). *Restoration & Management Notes* 16(1):96-97.

Duncan, B.W., S. Boyle, D.R. Breining, and P.A. Schmalzer. 1999. Coupling past management practice and historic landscape change on John F. Kennedy Space Center. *Landscape Ecology* 14:291-309.

Schmalzer, P.A., S.R. Boyle, and H.M. Swain. 1999. Scrub ecosystems of Brevard County, Florida: a regional characterization. *Florida Scientist* 62:13-47.

- Duncan, B.W., V.L. Larson, and P.A. Schmalzer. 2000. Modeling historic landcover: an evaluation of two methodologies for producing baseline reference data. *Natural Areas Journal* 20(4):308-316.
- Duncan, B.W. and P.A. Schmalzer. 2001. Modeling past and present fire behavior on Kennedy Space Center, Florida. Proceedings of the Twenty-first Annual ESRI User Conference. Published on CD-ROM and on the World Wide Web at www.esri.com.
- Duncan, B.W. and P.A. Schmalzer. 2001. Spatial fire behavior modeling: simulating past and present fire spread distributions along the east coast of Central Florida. Pp. 8-11 *in* D. Zattau. (ed.). Proceedings of the Florida Scrub Symposium 2001. U.S. Fish and Wildlife Service. Jacksonville, Florida. 63 pp.
- Schmalzer, P. A. and F. W. Adrian. 2001. Scrub restoration on Kennedy Space Center/Merritt Island National Wildlife Refuge, 1992-2000. Pp. 17-20 *in* D. Zattau. (ed.). Proceedings of the Florida Scrub Symposium 2001. U.S. Fish and Wildlife Service. Jacksonville, Florida. 63 pp.
- Schmalzer, P. A., M. A. Hensley, and C. A. Dunlevy. 2001. Background characteristics of soils of Kennedy Space Center, Merritt Island, Florida: selected elements and physical properties. *Florida Scientist* 64:161-190.
- Schmalzer, P. A. and M. A. Hensley. 2001. Background characteristics of groundwater in the Surficial Aquifer of Kennedy Space Center, Merritt Island, Florida. *Florida Scientist* 64: 250-273.
- Duncan, B.W., P.A. Schmalzer, and T.E. Foster. 2002. Mapping shuttle launch clouds at KSC. *GeoSpatial Solutions* 12(11): 32-37.
- Schmalzer, P.A., S.R. Turek, T.E. Foster, C.A. Dunlevy, and F.W. Adrian. 2002. Reestablishing Florida scrub in a former agricultural site: Survival and growth of planted species and changes in community composition. *Castanea* 67:146-160.
- Duncan, B.W. and P.A. Schmalzer. 2003. Anthropogenic fuel alteration and changes in spatial fire behavior in a southeastern pyrogenic ecosystem. In: Proceedings of the Second International Wildland Fire Ecology and Fire Management Congress, American Meteorological Society, Published on CDROM and at <http://www.ametsoc.org>.
- Foster, T.E. and P.A. Schmalzer. 2003. The effect of season of fire on the recovery of Florida scrub. In: Proceedings of the Second International Wildland Fire Ecology and Fire Management Congress, American Meteorological Society, Published on CDROM and at <http://www.ametsoc.org>.
- Schmalzer, P.A. 2003. Growth and recovery of oak-saw palmetto scrub through ten years after fire. *Natural Areas Journal* 23:5-13.
- Schmalzer, P.A. T. E. Foster, and F.W. Adrian. 2003. Responses of long-unburned scrub on the Merritt Island/Cape Canaveral barrier island complex to cutting and burning. In: Proceedings of the Second International Wildland Fire Ecology and Fire Management Congress, American Meteorological Society, Published on CDROM and at <http://www.ametsoc.org>.
- Duncan, B.W. and P.A. Schmalzer. 2004. Anthropogenic influences on potential fire spread in a pyrogenic ecosystem of Florida. *Landscape Ecology* 19:153-165.
- Duncan, B.W., V.L. Larson, and P.A. Schmalzer. 2004. Historic landcover and recent landscape

change in the North Indian River Lagoon Watershed, Florida. *Natural Areas Journal* 24:198-215.

Alexis, M.A., D.P. Rasse, C. Rumpel, G. Bardoux, N. Pechot, P. Schmalzer, B. Drake, and A. Mariotti. 2007. Fire impact on C and N losses and charcoal production in a scrub oak ecosystem. *Biogeochemistry* 82(2): 201-216 (online DOI: 10.1007/s10533-006-9063-1).

Foster, T.E. and P.A. Schmalzer. 2012. Growth of *Serenoa repens* planted in a former agricultural site. *Southeastern Naturalist* 11(2): 331-336.

Foster, T.E., P.A. Schmalzer, and G.A. Fox. 2014. Timing matters: The seasonal effect of drought on tree growth. *Journal of the Torrey Botanical Society*.141: 225-241.

Duncan, B.W., P. A. Schmalzer, D. R. Breining, and E.D. Stolen. 2015. Comparing fuels reduction and patch mosaic fire regimes for reducing fire spread potential: A spatial modeling approach. *Ecological Modelling* 314:90-99.

Foster, T.E., P.A. Schmalzer, and G. A. Fox. 2015. Seasonal climate and its differential impact on growth of co-occurring species. *European Journal of Forest Research* 134:497-510. DOI 10.1007/s10342-015-0867-1.

Schmalzer, P.A. and T.E. Foster. 2016. Flora and threatened and endangered plants of Canaveral National Seashore, Florida. *Castanea* 81(2):91-127.

Schmalzer, P.A. and T.E. Foster. 2018. Dynamics of gaps created by burning in Florida oak-saw palmetto (*Quercus*, Fagaceae-*Serenoa repens*, Arecaceae) scrub. *Journal of the Torrey Botanical Society* 145(3):250-262.

Schmalzer, P.A. and T.E. Foster. 2019. Restoration of scrub vegetation in an old field through 23 years after planting. *Restoration Ecology* 27(2): 320-332. doi: 10.1111/rec.12864.

Schmalzer, P.A. and T.E. Foster. 2020. Variation of Florida scrub vegetation along gradients of soil pH and landscape age on a barrier island complex. *Journal of the Torrey Botanical Society* 147(2): 140-155.

Schmalzer, P.A. and T.E. Foster. 2021. Responses of Florida scrub vegetation to water additions from a groundwater treatment project and to hurricane disturbance. *Castanea* 86(1): 37-52.

Schmalzer, P.A. and T.E. Foster. 2022. Effects of repeated fire on Florida oak-saw palmetto scrub. *Fire Ecology* 18: 16. doi: 10.1186/s42408-022-00140-9.

Manuscripts in Press:

Manuscripts Submitted:

Foster, T. E., P. A. Schmalzer, and G.A. Fox. 2021. Distribution and physiological function of three co-occurring scrub oaks along a one meter gradient in elevation. Manuscript in revision for *American Journal of Botany*.

Technical Reports:

- Schmalzer, P.A., C.R. Hinkle, and H.R. DeSelm. 1978. A report on the vegetation of Doe Creek Cove, White County, Tennessee. Processed report prepared for Tennessee State Heritage Program. Graduate Program in Ecology, The University of Tennessee, Knoxville. 19 p.
- Schmalzer, P.A., C.R. Hinkle, and H.R. DeSelm. 1978. A report on the vegetation of Flint Fork Cove, Pickett State Forest, Pickett County, Tennessee. Processed report prepared for Tennessee State Heritage Program. Graduate Program in Ecology, The University of Tennessee, Knoxville. 12 p.
- Schmalzer, P.A., C.R. Hinkle, H.R. DeSelm, and B.E. Perkins. 1981. Guide for a field trip to the Obed Wild and Scenic River. Prepared for the Association of Southeastern Biologists 1981 Meeting. The University of Tennessee, Knoxville. 26 p.
- DeSelm, H.R. and P.A. Schmalzer. 1982. Classification and description of the ecological themes of the Interior Low Plateau. Processed report prepared for National Park Service. Botany Department, The University of Tennessee, Knoxville. 118 p.
- DeSelm, H.R. and P.A. Schmalzer. 1982. Descriptions of five potential Tennessee National Natural Landmarks. Processed report prepared for National Park Service. Botany Department, The University of Tennessee, Knoxville.
- Schmalzer, P.A. and H.R. DeSelm. 1982. Final report - Vegetation, endangered and threatened plants, critical plant habitats, and vascular flora of the Obed Wild and Scenic River. Processed report prepared for National Park Service. Graduate Program in Ecology, The University of Tennessee, Knoxville. 369 p.
- Schmalzer, P.A. and C.R. Hinkle. 1985. A brief overview of plant communities and the status of selected plant species at John F. Kennedy Space Center, Florida. Report submitted to Biomedical Office, Kennedy Space Center, Florida.
- Schmalzer, P.A., C.R. Hinkle, and D. Breininger. 1985. Effects of Space Shuttle launches STS-1 through STS-9 on terrestrial vegetation of John F. Kennedy Space Center, Florida. NASA Technical Memorandum 83103. John F. Kennedy Space Center, Florida. 39 p.
- Provancha, M.J., P.A. Schmalzer, and C.R. Hinkle. 1986. Vegetation types. (Maps) John F. Kennedy Space Center, Biomedical Operations and Research Office. (Maps in Master Planning Map format, digitization by ERDAS, Inc.).
- Schmalzer, P.A., C.R. Hinkle, and T.W. Dreschel. 1986. Far-field deposition from Space Shuttle launches at John F. Kennedy Space Center, Florida. NASA Technical Memorandum 83104. John F. Kennedy Space Center, Florida. 42 p.
- Hall, C.R., D.R. Breininger, P.A. Schmalzer, J.H. Drese, M.J. Provancha, J.A. Provancha, D.B. Bennett, and T.W. Dreschel. 1987. Polygeneration project baseline environmental monitoring program: final report. NASA/KSC Biomedical Operations and Research Office. John F. Kennedy Space Center, Florida.
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- Schmalzer, P.A., S.R. Turek, T.E. Foster, C.A. Dunlevy, and F.W. Adrian. 2001. Reestablishing Florida scrub in a former agricultural site: Survival and growth of planted species. Abstract of presented paper in: Ecological Society of America 2001 Annual Meeting Abstracts. p. 200.
- Schmalzer, P.A., T.E. Foster, S.R. Turek and C.A. Dunlevy. 2002. Dynamics of openings in Florida oak-saw palmetto scrub created by intense localized burning. Abstract of presented paper in: Southeastern Biology 49(2):194.
- Schmalzer, P.A., T.E. Foster, and F.W. Adrian. 2002. Restoring long-unburned Florida oak-saw palmetto scrub. Abstract of presented poster in: Ecological Society of America 2002 Annual Meeting Abstracts. p. 421.
- Duncan, B.W. and P.A. Schmalzer. 2003. Fuel fragmentation and spatial fire behavior in a southeastern pyrogenic ecosystem. Abstract of presented paper in: Southeastern Biology 50(2):202.
- Duncan, B.W. and P.A. Schmalzer. 2003. Anthropogenic fuel alteration and changes in spatial fire behavior in a southeastern pyrogenic ecosystem. In: Program of the Second International Wildland Fire Ecology and Fire Management Congress, American Meteorological Society. p. 103.
- Foster, T. E. and P. A. Schmalzer. 2003. The effect of season of fire on the recovery of Florida scrub. Abstract of presented paper in: Ecological Society of America 2003 Annual Meeting Abstracts. p. 111.
- Foster, T.E. and P.A. Schmalzer. 2003. The effect of season of fire on the recovery of Florida scrub. Abstract of presented paper in: Program of the Second International Wildland Fire Ecology and Fire Management Congress, American Meteorological Society. p. 74.
- Schmalzer, P.A. and T.E. Foster. 2003. Characteristics of long-unburned scrub on the Merritt Island/Cape Canaveral barrier island complex before restoration. Abstract of presented paper in: Ecological Society of America 2003 Annual Meeting Abstracts. p. 299.
- Schmalzer, P.A. T. E. Foster, and F.W. Adrian. 2003. Responses of long-unburned scrub on the Merritt Island/Cape Canaveral barrier island complex to cutting and burning. Abstract of presented paper in: Program of the Second International Wildland Fire Ecology and Fire Management Congress, American Meteorological Society. p. 63.
- Schmalzer, P.A., T.E. Foster, and B.W. Duncan. 2003. Rare Plants of Kennedy Space Center, Merritt Island National Wildlife Refuge, Cape Canaveral Air Force Station, and Canaveral National Seashore. Abstract of presented paper in: Florida Scientist 66 (Supplement 1): 50.

- Hinkle, C.R. and P.A. Schmalzer. 2004. Environmentally endangered lands acquisition and conservation program in Brevard County, Florida. Abstract of presented poster in: Ecological Society of America 2004 Annual Meeting Abstracts. p. 221-222.
- Schmalzer, P.A., and T.E. Foster. 2004. Rare plants of Canaveral National Seashore. Abstract of presented paper in: Florida Scientist 67 (Supplement 1): 48-49.
- Schmalzer, P.A., and T.E. Foster. 2004. Flora and rare plants of Canaveral National Seashore. Abstract of presented paper in: Florida Native Plant Society 24th Annual Conference Program, Lake Buena Vista, Florida. p. 5.
- Schmalzer, P.A. and T.E. Foster. 2004. Rare plant diversity and conservation at the local scale: An example from central Florida. Abstract of presented poster in: Ecological Society of America 2004 Annual Meeting Abstracts. p. 454.
- Foster, T.E. and P.A. Schmalzer. 2005. Preliminary characterization of habitat for rare scrub plants in Brevard County, Florida. Abstract of presented poster in: Ecological Society of America 2005 Annual Meeting Abstracts. p. 199.
- Foster, T.E. and P.A. Schmalzer. 2006. The importance of county-acquired lands for the persistence of rare scrub plants in Brevard County, Florida. Abstract of presented paper in: Florida Scientist 69 (Supplement 1): 70-71.
- Schmalzer, P.A. and T.E. Foster. 2007. Responses of Florida oak scrub vegetation to multiple cycles of cutting and burning. Abstract of presented poster. Ecological Society of America/Society for Ecological Restoration International Joint Meeting. Published on CD.
- Foster, T.E., G.A. Fox, and P.A. Schmalzer. 2008. Relationships between height growth and climatic variables for three Florida scrub oaks. Abstract of presented paper. Ecological Society of America Annual Meeting. Published on CD.
- Hinkle, C.R. and P.A. Schmalzer. 2008. Acquisition and management of environmentally endangered lands to protect biodiversity in Brevard County, Florida. Abstract of presented paper. Southeastern Biology 55(3):249.
- Foster, T.E., P.A. Schmalzer, and G. A. Fox. 2010. Correlation between climate and growth for Florida scrub oaks: A dendroecology study. Poster presented at Ecological Society of America Meeting, August 5, 2010, Pittsburgh, Pennsylvania. Abstract available online at <http://www.esa.org>.
- Schmalzer, P.A. and T.E. Foster. 2010. Responses of long-unburned oak-saw palmetto scrub to repeated cutting or burning. Poster presented at Ecological Society of America Meeting, August 5, 2010, Pittsburgh, Pennsylvania. Abstract available online at <http://www.esa.org>.
- Foster, T.E., P.A. Schmalzer, and G.A. Fox. 2011. Site differences in growth response of *Quercus myrtifolia* to climate. Abstract of presented paper. Ecological Society of America Annual Meeting. August 2011, Austin, Texas. Abstract available online at <http://www.esa.org>.
- Foster, T., P.A. Schmalzer, and G.A. Fox. 2013. Climate-growth relationships for slash pine and two dominant oaks in Florida scrub. Abstract of presented paper in Program of the Florida Native Plant Society 33rd Annual Conference. P. 16.
- Schmalzer, P.A. and T.E. Foster. 2016. Development of scrub vegetation in a former agricultural site through 23 years after planting. Paper presented at Ecological Society of America

Meeting, August 9, 2016, Ft. Lauderdale, Florida. Abstract available online at <http://www.esa.org>.

Schmalzer, P.A. and T.E. Foster. 2019. Variation of Florida scrub vegetation along gradients of soil pH and landscape age on a barrier island complex. Paper presented at Ecological Society of America Meeting, August 15, 2019, Louisville, Kentucky. Abstract available online at <http://www.esa.org>.

Schmalzer, P.A. and T.E. Foster. 2020. Responses of Florida scrub vegetation to water additions from a groundwater treatment project. Paper presented at Ecological Society of America Virtual Meeting, August 3-6, 2020. Abstract available online at <http://www.esa.org>.

Schmalzer, P.A. and T.E. Foster. 2021. Effects of repeated fire on Florida oak-saw palmetto scrub. Abstract of presented paper, Ecological Society of America Virtual Meeting, August 2-6, 2021.

Boards Application Form

Profile

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Submitted

_____	Kathryn	_____	E	_____	Becker
Prefix	First Name		Middle Initial		Last Name

k.elizabeth.becker@gmail.com
Email Address

4085 Old Settlement Rd
Home Address

Suite or Apt

Merritt Island
City

FL
State

32952
Postal Code

Mobile: (321) 431-3886
Primary Phone

Alternate Phone

How long have you been a resident of Brevard County?

40 years

To which Commissioner are you applying?

N/A

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)
The EEL Selection and Management Committee serves as an expert volunteer scientific advisory committee to the County Commission on all issues involving the acquisition and management of environmentally endangered lands with the EEL Program protected area network in Brevard County. **The committee also has two seats for experts in the fields of business, finance or real estate.** Please complete the following information and **include your resume as an attachment** when submitting this application for consideration as a volunteer member of the Selection and Management Committee.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

I have a M.S. in Biology from the University of Central Florida and a B.S. in Botany from the University of Florida.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques. NOT required for applicants applying for the positions related to business, finance or real estate.

As a fourth generation Brevard County native I have had extensive experience in the county's natural areas, I am knowledgeable of the many ecosystem and habitat types the area has to offer, and feel a strong sense of duty to preserve these natural treasures for generations to come. My academic and professional experience as an ecologist has provided me with an in-depth understanding of many restoration and conservation techniques applied across landscapes in the Central Florida region, specifically the management technique of prescribed fire. The research I have conducted has provided me with an understanding of the practicalities of applying such management techniques, as well as a depth of knowledge about ecosystem response to these land management activities.

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

Yes. Brevard County Environmentally Endangered Lands Program Selection and Management Committee

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

No

Please explain your interests and experiences.

My area of greatest expertise is in carbon sequestration and storage, and the role land management plays in that ecosystem service. I have led and participated in numerous research projects focused on that topic. The most recent project being a collaboration of university and government researchers working towards developing a carbon budget for the Greater Everglades Watershed funded by DOE's Terrestrial Ecosystem Science (TES) program. As a graduate research assistant on this project, I had the opportunity to work with leading scientists in the fields of climate modeling, carbon and water cycling, and carbon storage.

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

I have a M.S. in Biology from the University of Central Florida and a B.S. in Botany from the University of Florida. I have also completed all of the requirements for doctoral candidacy towards a Ph.D. in Conservation Biology. During my graduate work I completed extensive research focused on the impact of land use, land use change, and land management on the carbon dynamics of Central Florida ecosystems. I believe my academic career as well as my additional research experiences (please see attached CV) qualifies me to serve as a capable and experienced member of the EEL Selection and Management Committee. Further, as a member of the EEL Selection and Management Committee for the last four years, I have had the opportunity to work alongside both scientists and land managers to advise on best practices to restore, maintain, and protect the EEL program's network of environmentally sensitive lands and their natural resources. The skill set I have developed serving in this role will most certainly enhance the committee if I am given the opportunity to continue my position.

Brevard County Board of County Commissioners strives to promote diversity and provide reasonable accommodations for individuals with disabilities. If you are requesting an accommodation, please indicate below.

[KEBecker_Curriculum_Vitae.pdf](#)

Upload a Resume

Agreement

Kathryn E Becker

Advisory committees are subject to the Florida open meetings (Sunshine) and public records laws; your response with a completed application with your contact information is a public record; if chosen as a member of the committee, any communications to you from the County or from you to the County in regard to the committee will be a public record.

Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree

Kathryn Elizabeth Becker

k.elizabeth.becker@gmail.com
4085 Old Settlement Road
Merritt Island, FL 32952
(321) 431-3886

Education

University of Central Florida

Field of Study: Conservation Biology (in pursuit of PhD)

Completed all coursework, written exams, and oral exams for candidacy

Orlando, FL

August, 2011 – August, 2018

University of Central Florida

Field of Study: Biology (MS)

Thesis: Variability of Carbon Stock in Florida Flatwoods Ecosystems Undergoing Restoration and Management

Major Professor: Dr. C. Ross Hinkle

Orlando, FL

May, 2011

University of Florida

Field of Study: Botany (BS)

Gainesville, FL

December, 2008

Research Experience

University of Central Florida

Orlando, FL

Graduate Research Assistant

August, 2012 – August, 2018

Salary: 22,894.00 USD per year plus tuition

Hours per week: 20

Supervisor: Dr. C. Ross Hinkle

Project title: Carbon Dynamics of the Greater Everglades Watershed and Implications of Climate Change

DOE-TES/OBER Project Number DESC0008310

Task description:

- Collect pre and post prescribed fire CO₂ flux data in a native landscape in Kissimmee, FL using the eddy covariance method
- Collect CO₂ flux data in an urban site near Orlando, FL using the eddy covariance method
- Process flux data in EdiRe
- Organize and analyze flux data in Excel and R
- Estimate carbon stores in biomass and soil pre and post fire using field sampling methods and remotely sensed data in ArcGIS
- Estimate landcover composition for urban sampling area using remotely sensed data in ArcGIS

Graduate Research Assistant

January, 2011 - July, 2012

Salary: 19,205.00 USD per year plus tuition

Hours per week: 20

Supervisor: Dr. C. Ross Hinkle

Task description:

- Collect CO₂ flux data in both native and urban ecosystems near Orlando, FL using the eddy covariance method
- Process flux data in EdiRe
- Organize and analyze flux data in Excel and R
- Estimate carbon stores in biomass and soil pre and post fire using field sampling methods and remotely sensed data in ArcGIS

Graduate Research Assistant

May, 2010 - August, 2010

Salary: 5,910.00 USD per summer term plus tuition

Hours per week: 20

Supervisor: Dr. C. Ross Hinkle

Project title: Urban Forest Effects Model for Orlando, FL

Task description:

- Collect field measurement data in Orlando, FL to estimate ground cover, understory biomass, and canopy biomass required to execute the Urban Forest Effects Model
- Organize data in Excel to meet format required to run the model

University of Florida

Gainesville, FL

Research Assistant

July, 2009 - August, 2009

Salary: 9.00 USD Per Hour

Hours per week: 40

Supervisor: Dr. Michelle C. Mack

Task description:

- Prepare pre and post fire Alaskan active layer and permafrost soil samples for elemental analysis
- Analyze soil samples for percent carbon and nitrogen using elemental analyzer
- Enter and organize resulting data in Excel
- General laboratory organization

Research Assistant

January, 2009 - July, 2009

Salary: 9.00 USD Per Hour

Hours per week: 25

Supervisor: Dr. Edward A.G. Schuur

Task description:

- Prepare soil and vegetation samples for elemental analysis
- Analyze soil and vegetation samples for percent carbon and nitrogen using elemental analyzer
- Enter and organize resulting data in Excel
- General laboratory organization

Research Assistant

January, 2009 - July, 2009

Salary: 9.00 USD Per Hour

Hours per week: 15

Supervisors: Dr. Timothy A. Martin, Dr. Eric J. Jokela and Dr. Jason G. Vogel

Project Title: Intensive Management Practices Assessment Center Project

Task description:

- Collect field measurements and samples to estimate soil, ground cover, understory, and canopy carbon and nitrogen content of planted pine forests near Gainesville, FL
- Enter and organize measurements taken in the field in Excel
- Prepare samples for elemental analysis

Undergraduate Independent Study

August, 2008 - April, 2009

Sponsors: Dr. Edward A.G. Schuur and Dr. Hanna Lee

Task description:

- Prepare Alaskan permafrost soils for stable isotope mass spectroscopy and elemental analysis
- Analyze soils for carbon and nitrogen stable isotope profiles using mass spectrometer
- Analyze soils for percent carbon and nitrogen using elemental analyzer
- Enter, organize, and analyze resulting data in Excel

Teaching Experience

University of Central Florida

Orlando, FL

Graduate Teaching Associate, Ecology Laboratory
Salary: 4947.00 USD per term plus tuition
Hours per week: 20

August, 2010 - December, 2010

Graduate Teaching Assistant, Biology Laboratory 1
Salary: 4947.00 USD per term plus tuition
Hours per week: 20

August, 2009 - April, 2010

Grants and Honors

UCF College of Graduate Studies Travel Fellowship

2011, 2012, 2013

Elsie Quarterman-Catherine Keever Award (Best Ecological Poster Presented by a Student)
Ecological Society of America, Southeastern Chapter

2011

National Garden Club Scholarship

2010 - 2011

National SMART Grant

2008

Florida Medallion Scholarship

2002 - 2008

Publications

Peer Reviewed Publications

Articles

Ekpe, E.K., **K.E. Becker**, J. Lab, C.R. Hinkle, and F. Escobedo. 2012. Orlando, Florida's Urban and Community Forests and Their Ecosystem Services. University of Florida- IFAS, EDIS FR290.

Conference Proceedings

Becker, K.E. and C.R. Hinkle. 2017. Urban NEE Drivers and Patterns in the Headwaters of the Everglades. *Greater Everglades Ecosystem Restoration (GEER) Meeting*. Coral Springs, FL.

Becker, K.E. and C.R. Hinkle. 2016. Carbon dynamics of a longleaf pine flatwoods ecosystem managed with prescribed fire. *Florida Native Plant Society 36th Annual Conference*. Daytona Beach, FL.

C.R. Hinkle, **K.E. Becker**, B. Benscoter, X. Comas, M. McClellan, M. Budny, D. Harshbarger, S. Graham. 2016. Carbon Dynamics of the Greater Everglades Watershed and Implications of Climate Change. *2016 Environmental System Science (ESS) PI Meeting*. Potomac, MD.

Becker, K.E. and C.R. Hinkle. 2013. Assessing the impact of urban land cover composition on CO₂ flux. *American Geophysical Union 45th annual Fall Meeting*. San Francisco, CA.

Becker, K.E. and C.R. Hinkle. 2012. Measuring the impact of prescribed fire management on the carbon balance of a flatwoods ecosystem in Kissimmee, Florida. *American Geophysical Union 45th annual Fall Meeting*. San Francisco, CA.

Ekpe, E.K., **K.E. Becker**, J. Lab, C.R. Hinkle and F. Escabedo. 2011. An Assessment of the Structure and Environmental Benefits of Urban Forests in Orlando, Florida. *Florida Academy of Sciences 75th Annual Meeting*. Melbourne, FL

Becker, K.E., J.M. Anderson and C.R. Hinkle. 2011. Variability of Aboveground and Belowground Carbon Stocks in Florida Flatwoods Ecosystems Undergoing Restoration and Management. *Ecological Society of America 96th Annual Meeting*. Austin, TX. Poster also presented to *Association of Southeastern Biologists 2011*. Huntsville, AL.

Becker, K.E., E.A.G. Schuur and H. Lee. 2009. Carbon and Nitrogen Isotope Distribution and Abundance in Alaskan Permafrost Soils. *Biology Undergraduate Research Symposium*. Department of Biology, University of Florida, Gainesville, FL.

Technical Reports

Sumner, D.M., C.R. Hinkle and **K.E. Becker**. 2017. Evapotranspiration (ET) at University of Central Florida urban site, daily data, Orange County, Florida, January 29, 2009 - September 27, 2012: U. S. Geological Survey data release, <https://doi.org/10.5066/F7JS9NZB>.

Becker, K.E. and C.R. Hinkle. 2014. Assessing the Carbon Flux Dynamics of a Central Florida Longleaf Pine Flatwoods Landscape Undergoing Prescribed Fire Management. Technical report to: The Nature Conservancy.

Hinkle, C.R., D. Sumner and **K.E. Becker**. 2012. Measurement and Modeling of Evapotranspiration in a Central Florida Urban Setting. Technical report to: Southwest Florida Water Management District.

Ekpe, E.K., **K.E. Becker**, J. Lab, C.R. Hinkle and F. Escabedo. 2010. An Assessment of the Structure and Environmental Benefits of Urban Forests in Orlando, Florida. Technical report to: Orlando Parks Division, Families, Parks and Recreation Department, City of Orlando, Florida.

Other Presentations

Becker, K.E. 2013. Carbon Flux Dynamics of a Subtropical Landscape: The Impact of Land Use, Land Use Change, and Land Management. *Invited Speaker*. University of Central Florida Department of Biology.

Becker, K.E. 2013. Effects of Florida Flatwoods Restoration and Management on Ecosystem Carbon Storage and Sequestration. *Invited Speaker*. The Nature Conservancy, Kissimmee, FL.

Professional Development

Pacific Northwest National Laboratory Richland, WA
Training on Community Earth System Model (CESM): Community Land Model February, 2014

University of Central Florida Orlando, FL
Ethics/Responsible Conduct of Research Workshops October, 2011

University of Colorado Mountain Research Station Nederland, CO
Summer Course in Flux Measurements and Advanced Modeling July, 2011

Florida Atlantic University Davie, FL
Collaborative Workshop: Developing a Carbon Budget for the Greater Everglades Ecosystem July, 2011
(FAU, US Geological Survey, UCF, FSU, FIU, South Florida Water Management District, and Everglades National Park)

Service

Brevard County Environmentally Endangered Lands Program

Selection and Management Committee

Melbourne, FL

August, 2018 - Present

Task description: Scientific advisory committee member appointed by the county commission to select lands for the program to acquire for conservation and to advise on management of conservation lands currently in the program.

The Nature Conservancy's Disney Wilderness Preserve

Women in Environmental Careers Luncheon

Kissimmee, FL

July 13, 2016

Task description: Invited speaker and mentor to LEAF program volunteers.

University of Central Florida

University of Central Florida Biology Graduate Student Association

Orlando, FL

August, 2009 - August, 2018

Faculty Liaison May, 2010 – May, 2012

University of Central Florida

Mentor to Undergraduate Research Volunteers

Orlando, FL

May, 2010 - August, 2012

Boards Application Form

Profile

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Submitted

_____	Jim	_____	Burney
Prefix	First Name	Middle Initial	Last Name

jburney@avcaquatic.com
Email Address

871 Yorktowne Drive	_____
Home Address	Suite or Apt

Rockledge	FL	32955
City	State	Postal Code

Mobile: (561) 719-9484	_____
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

18 years

To which Commissioner are you applying?

None Selected

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)
 The EEL Selection and Management Committee serves as an expert volunteer scientific advisory committee to the County Commission on all issues involving the acquisition and management of environmentally endangered lands with the EEL Program protected area network in Brevard County. **The committee also has two seats for experts in the fields of business, finance or real estate.** Please complete the following information and **include your resume as an attachment** when submitting this application for consideration as a volunteer member of the Selection and Management Committee.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

Current EEL SMC Committee Member. BS Biological Sciences 1987 UCF; MS Biological Sciences 1995 UCF, Professional Wetland Scientist Certification 1995 Society of Wetland Scientists. EEL is in possession of Experience and Background.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques. NOT required for applicants applying for the positions related to business, finance or real estate.

Current EEL SMC Committee Member. 38 years as an environmental consultant and land manager for projects within all ecosystem types found in Brevard County. EEL is in possession of Brevard Ecosystem Knowledge Overview.

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

Current EEL Selection and Management Committee Member.

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

No.

Please explain your interests and experiences.

Current EEL SMC Committee Member. Outdoor activities. EEL is in possession of interests and experience.

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

Current EEL SMC Committee Member. EEL is in possession of this information.

Brevard County Board of County Commissioners strives to promote diversity and provide reasonable accommodations for individuals with disabilities. If you are requesting an accommodation, please indicate below.

None requested.

[BurneyResume2024.docx](#)

Upload a Resume

Agreement

Advisory committees are subject to the Florida open meetings (Sunshine) and public records laws; your response with a completed application with your contact information is a public record; if chosen as a member of the committee, any communications to you from the County or from you to the County in regard to the committee will be a public record.

Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree

James L. Burney, Jr., PWS
Aquatic Vegetation Control, Inc.
BOD Chairman

EDUCATION

1981-1987. University of Central Florida. B.S. Biological Sciences.
1989-1995. University of Central Florida. M.S. Biological Sciences.
1997. Society of Wetland Scientists. Professional Wetland Scientist, Cert #0001095.

EMPLOYMENT HISTORY

1985-1986. U.S. Fish and Wildlife Service.
Biological Technician. Duties comprised of studying protected wildlife species in central and coastal Maine.

1986-1987. Florida Game and Fresh Water Fish Commission.
Biological Technician. Wildlife Management Area Field Check Station duties included collecting samples and measurements of game species (gray squirrel, whitetail deer, feral hog, and migratory birds), hunter education, and law enforcement support in central Florida.

1987-1993. Post, Buckley, Schuh, & Jernigan, Inc. Environmental Engineering.
Senior Scientist. Duties included: T&E plant and wildlife species field surveys and report preparation, vegetation monitoring and reporting, water quality investigations, seagrass and coral mapping, landfill siting studies, and ecological restoration planning and implementation.

1993-1995. Ecotech Consultants, Inc.
Senior Scientist and Project Manager. Duties included: created wetlands design for wastewater treatment, T&E plant and wildlife species surveys and reporting, water quality investigations, vegetation community mapping, seagrass and coral mapping, TNC prescribed fire burn crew, and ecological restoration planning and implementation.

1995-2018. Aquatic Vegetation Control, Inc.
President and Senior Scientist. Responsibilities comprised of managing company Administration, Operations, Marketing, and Research and Development departments. Company services included: upland, aquatic, and coastal invasive plant management; utilities and ROW vegetation management; native plant nursery operations and native plant installations; biological control cooperation, bacterial augmentation organic sediment reduction programs, research and development of herbicides and selective application methods, and general environmental consulting.

2019-Present. Aquatic Vegetation Control, Inc.

Chairman, Board of Directors. Responsibilities comprised of providing company oversight to current President, involvement with research and development programs, AVC marketing involvement, professional organization participation, and public outreach regarding invasive plant species awareness and safe herbicide use as an IPM option.

SUMMARY OF EXPERIENCE

36 years of experience as an Environmental Consultant and Invasive Plant Management Contractor encompassing upland and aquatic wildlife and vegetation management, water quality enhancement programs, native plant propagation and installation, resource mapping, and ecological restoration planning and implementation.

LICENSES and CERTIFICATIONS

FDACS Core, Aquatic, and Natural Areas Pesticide Applicator.
FGFWFC Wildlife Collection Permit. (past).
FGFWFC License to Possess Venomous Reptiles. (past)
PADI Open Water Diver.
SWS Professional Wetland Scientist.

CURRENT AFFILIATIONS

Florida Invasive Species Council (formerly Florida Exotic Pest Plant Council); 3-Term Past Chairman and current Nominations Committee Chair.
Florida Invasive Plant Management Association; current President.
Florida Aquatic Plant Management Society.
Florida Association of Environmental Professionals, Central Florida Chapter.
National Association of Environmental Professionals.
Society of Ecological Restoration.
Society of Wetland Scientists.

Boards Application Form

Profile

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Submitted

_____	Maryann	_____	Civil
Prefix	First Name	Middle Initial	Last Name

mcivil10@gmail.com

 Email Address

1301 Lichty St. NE	Palm Bay FL 32905
Home Address	Suite or Apt

Palm Bay	FL	32905
City	State	Postal Code

Home: (321) 725-6926	Mobile: (321) 417-2783
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

30+ years

To which Commissioner are you applying?

District 3

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)
 The EEL Selection and Management Committee serves as an expert volunteer scientific advisory committee to the County Commission on all issues involving the acquisition and management of environmentally endangered lands with the EEL Program protected area network in Brevard County. **The committee also has two seats for experts in the fields of business, finance or real estate.** Please complete the following information and **include your resume as an attachment** when submitting this application for consideration as a volunteer member of the Selection and Management Committee.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

B.S. Geology - University of Rhode Island M.S. Oceanography & Geoscience - Florida Institute of Technology Prior to my retirement in 2022, I worked 30+ years as a Professional Geologist licensed in the State of Florida for State and County agencies and for private environmental consulting businesses. My professional expertise includes soil and water assessment and remediation, hazardous waste risk management/pollution prevention and water quality management/regulation issues. I was also a Adjunct Professor at FIT for several semesters teaching undergraduate Geology and visiting instructor (FIT) in environmental regulatory issues.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques. NOT required for applicants applying for the positions related to business, finance or real estate.

Having lived and worked professionally in Brevard County for 30+ years, I have a great understanding of Brevard's ecosystems, concentrating on coastal habitats, water quality issues, and subsurface soil geological assessment and remediation. My passion has centered on the Turkey Creek restoration efforts currently underway with the City of Palm Bay, MTWCD and MRC. I have participated in numerous studies, including the recently concluded (December 2022) Turkey Creek Feasibility Study conducted through a State of Florida grant to the City of Palm Bay, completed by Geosyntec and Applied Ecology. I have also volunteered my expertise to the City of Palm Bay on water quality issues and habitat restoration of the Turkey Creek watershed.

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

No

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

No - Retired from Brevard County Natural Resources Management Department, January 2022.

Please explain your interests and experiences.

As previously stated, my interests and experiences have been shaped by living on Turkey Creek for 30+ years, volunteering with the MRC for 20+ years and my professional career as an environmental geologist. I have led over 100+ assessments projects in Florida for groundwater and soil remediation. I led a team with development of internal Brevard County employee training of NPDES and hazardous waste protocols. I am also a former business co-owner of Crane Creek Fisheries, which specialized in wholesale and retail seafood. My family has stayed involved in the commercial fishing industry and currently holds a retail / wholesale license with FWCC for blue crabs and restricted species fisheries.

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

I have been an environmental professional in the State since graduating with my M.S. degree from F.I.T. Following my graduation, I also was an adjunct professor at F.I.T. teaching undergraduate General Geology. More recently, I was a guest lecturer at F.I.T. for Dr. Listopad's class in environmental regulations. I have volunteered for various boards and associations over the years, concentrating on the Turkey Creek watershed restoration efforts conducted by State agencies and local municipalities. For instance, as a Board member of the Friends of Turkey Creek, we were instrumental in development with the City and MTWCD on refitting the SJRWMD top-down MS-1 control structure, obtaining funding from Florida City Gas for the picnic shelter on Turkey Creek and grant funding for the afore mentioned recent Turkey Creek Feasibility Study.

Brevard County Board of County Commissioners strives to promote diversity and provide reasonable accommodations for individuals with disabilities. If you are requesting an accommodation, please indicate below.

NA

[MCivil_resume_23.pdf](#)

Upload a Resume

Agreement

Maryann Civil

Advisory committees are subject to the Florida open meetings (Sunshine) and public records laws; your response with a completed application with your contact information is a public record; if chosen as a member of the committee, any communications to you from the County or from you to the County in regard to the committee will be a public record.

Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree

MARYANN CIVIL, P.G.

1301 Lichty Street, NE, Palm Bay

Mcivil10@gmail.com

(321) 417-2783

EXPERIENCE

- 30+ years of environmental project management and regulatory oversight of Florida commercial land/properties. Specific project management includes but not limited to: Phase I and II Environmental Site Assessments and active remediation strategy evaluations and remediation.
- Prepared / implemented request for proposals, State contracts, project budgets, schedules for 100+ remediation, assessment and environmental monitoring projects.
- Extensive management oversight of operation and management (O&M) of remediation projects including but not limited to: air sparge / vacuum extraction systems; bio-generated remediation; and proprietary injection remediation products. Supervised, developed and implemented O&M procedures for soil/groundwater systems and QA/QC of staff.
- Lead Professional Geologist overseeing the Brevard County hazardous waste Small Quantity Generator (SQG) Program. The SQG Program is mandated by the Florida Department of Environmental Protection (FDEP) to inspect and audit the business community under RCRA Federal and State regulations.
- Lead coordinator of team developing pollution prevention policies, Spill Control and Countermeasure Plans (SPCC) and waste minimization policies and procedures for Brevard County.
- Management / regulatory oversight of multiple environmental consulting firms for technical, regulatory and contractual conformance.
- Former coordinator for environmental education programs and training workshops with the UCF Stormwater Management Academy.

EMPLOYMENT HISTORY

- 2005 - 2022: Brevard County Natural Resources Management Department. Lead Geologist for FDEP Petroleum Restoration Program contract and Hazardous Waste Program.
- 1998-2005: Self Employed Environmental Professional. Project management / technical report development for hundreds of projects throughout Florida. Coordinator for educational programs and Stormwater trainings for University of Central Florida, Stormwater Management Academy.
- 1996 - 2002: Business co-owner / operator - Crane Creek Fisheries, Melbourne

EDUCATION

- Bachelor of Science, Geology, University of Rhode Island
- Master of Science, Oceanography/Geoscience, Florida Institute of Technology

LICENSES AND CERTIFICATIONS

- Licensed Professional Geologist in five States
- OSHA HAZWOPER certified
- McCoy RCRA Hazardous Waste Seminar, 2020
- Volunteer for MRC Water Quality Program
- Founding Board member, Friends of Turkey Creek and Turkey Creek Advocates
- US Citizen

References provided upon request

Brevard County, FL

Boards Application Form

Profile

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Not Submitted

Prefix

Jon _____
First Name

Middle Initial

Shepherd _____
Last Name

jshep@cfl.rr.com _____
Email Address

657 Montreal Ave _____
Home Address

Suite or Apt

Melbourne _____
City

FL _____
State

32935 _____
Postal Code

Mobile: _____
Primary Phone

Alternate Phone

How long have you been a resident of Brevard County?

48 years

To which Commissioner are you applying?

N/A

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

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Jon Shepherd

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

28 years of environmental consulting in Brevard County. MS - Ecology (Florida Tech) BS - Biological Sciences (FSU)

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques. NOT required for applicants applying for the positions related to business, finance or real estate.

Resume on file with EEL

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

EEL SMC

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

We do environmental consulting for the County at times.

Please explain your interests and experiences.

On file with EEL

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

On File with EEL

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N/A

Upload a Resume

Agreement

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Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree

Years in the
Industry: 26

CERTIFICATIONS:
*Professional
Wetland Scientist
(PWS 00001400)*

*FWC Authorized
Gopher Tortoise
Agent (GTA-09-
00138A)*

EDUCATION:
*Florida State
University - B.S. in
Biological Sciences,
1996*

*Florida Institute of
Technology – M.S. in
Ecology, 2002*

APPOINTMENTS:
*Brevard County
Flood Hazard Areas
-Wetlands Working
Group*

*City of Melbourne
Beautification and
Energy Efficiency
Board*

*Brevard County
Blue Ribbon
Advisory Board for
Transportation
Infrastructure*

*Olde Eau Gallie
Riverfront
Community
Redevelopment
Committee*

Jon H. Shepherd, M.S., P.W.S. **PRESIDENT:ECOLOGIST**



Jon H. Shepherd has been a practicing ecologist in the State of Florida since 1996 and has owned and operated Atlantic Environmental since 2003. His experience includes project coordination, environmental planning and design, wetland mitigation bank design and permitting, wetland delineation, wetland monitoring and maintenance, wetland mitigation design and planting, submerged aquatic vegetation surveying, plant taxonomy and ecology, aerial photointerpretation, land management, fire management, Habitat Conservation Plans, endangered species evaluation, relocation, and mitigation, as well as Phase I hazardous waste assessments. This experience has given him the opportunity to form close working relationship with local, state, and federal agencies. He strives to develop effective permitting and mitigation solutions that successfully address the concerns and responsibilities of both developers and environmental regulators.

PROJECTS

Emerald Lakes – Palm Bay

Atlantic Environmental completed wetland studies, wetland delineations, listed species surveys, and all environmental aspects of the ERP permitting through SJRWMD, USACE, FWC, FDEP, and USFWS to allowing the development of this 1,573-acre project site. Included in this endeavor was the completion of Florida scrub-jay surveys and the coordination with the regulatory agencies to acquire appropriate mitigation. The environmental permitting of the St. Johns Heritage Parkway from Babcock Street to Micco Road that bisects this site was also completed for the City of Palm Bay.

Liberty Park – Vero Beach

Atlantic Environmental completed the wetland delineations and listed species surveying on this 483-acre project site in Vero Beach. The SJRWMD conceptual permit was obtained each phase is now being processed.

City of Sebastian Public Works Facility

Atlantic Environmental completed the wetland delineation, Florida scrub-jay surveys, gopher tortoise surveys and relocation on the City's new Public Works Facility. Permits were acquired through SJRWMD, FDEP, and FWC.

Northrop Grumman Campus Expansion

Atlantic Environmental completed wetland studies, wetland delineations, listed species surveys, and all environmental aspects of the ERP permitting for the recent Northrop Grumman campus expansion at the Orlando Melbourne International Airport. Atlantic Environmental interfaced with SJRWMD, USACE, FWC, and USFWS to acquire permits allowing the construction of all desired structures.

Boards Application Form

Profile

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Submitted

_____	Kenneth	_____	L	_____	Snyder
Prefix	First Name		Middle Initial		Last Name

upperbasin@gmail.com
Email Address

2335 Brandon Ave	_____
Home Address	Suite or Apt

Melbourne	_____	FL	_____	32904
City		State		Postal Code

Home: (321) 317-6065	_____
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

32 years

To which Commissioner are you applying?

District 5

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)
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Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

See resume. I am a semi-retired biologist with forty-five years of environmental experience in Florida. My primary strengths would lie in wetland restoration and science communication. Very familiar with the major flora and fauna of the area, both upland and wetland species.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques. NOT required for applicants applying for the positions related to business, finance or real estate.

See resume. I have lived in Brevard county for 32 years and the bulk of my environmental experiences have been in this general area. Also, having lived as far south as Boca Raton and as far north as Flagler county I feel comfortable with saying I am knowledgeable in all the dominate habitats within the county.

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

No.

Kenneth L Snyder

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

No.

Please explain your interests and experiences.

My primary interest is promoting the beauty and importance of Florida's natural systems.

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

See resume. The resume is old, but I believe still relevant.

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N/A

[Snyder_resume.doc](#)

Upload a Resume

Agreement

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Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree

Kenneth L. Snyder

2335 Brandon Av, Melbourne, FL 32904

Phone: 321-317-6065 E-Mail: upperbasin@gmail.com

Personal Statement

"I have been employed for the last forty years promoting and protecting the natural resources and environment of Florida. I bring with me a broad base of knowledge relating to the ecology, biology and natural history of our freshwater ecosystems, particularly the marshes of the St. Johns River and the Everglades."

Experience

St. Johns River Water Management District, Field Program Supervisor **1992 - 2018**

- Supervise and manage a staff of nine environmental professionals responsible for data collection across 2.1 million acres of floodplain and watershed properties of the St. Johns River and Indian River Lagoon, from Vero Beach to Lake Ashby. Includes Florida Department of Environmental Protection Status and Trends network.
- Field managed District Environmental Sciences restoration activities within the Upper St. Johns River Basin Project (USJRBP); including the Moccasin Island (Duda) Restoration Area, Broadmoor Marsh Restoration Area (TM Goodwin), Sixmile Marsh Restoration Area, Fellsmere Water Management Area, Fort Drum Marsh Conservation Area and Jane Green Swamp Restoration.
- Field managed scientific research efforts for the USJRBP within the Fort Drum, Blue Cypress and St. Johns Marsh Conservation Areas.
- Responsible for USJRBP tours (airboat and off-road vehicles) given to other agencies, groups and various officials.

Airboat Rides at Midway, Captain **Part-time as needed, 2012 - Present**

- Provide interpretive airboat tours on the St. Johns River.
- United States Coast Guard Merchant Marine Credential Masters license.
- Developing an informational video for patrons to watch. This video is comprised of almost 5 TB of drone video and photographs taken almost every other day over one complete floodplain wet/dry season.

Florida Department of Health and Rehabilitative Services, Environmental Specialist **1977- 1992**

- Flagler county Onsite Sewage Disposal System Coordinator.
- Responsible for wetlands determination as applicable to Chapter 10-D6 Florida Administrative Code.

Hampton Pines Park, Assistant Park Manager/Naturalist **1984 - 1986**

- Responsible for day to day operation of 33 acre city park and nursery. Supervised 5 employees and converted city nursery to concentrate on native plants. Planned and executed the establishment of a small, <1 acre, hardwood hammock. Organized and conducted beginning and advanced canoe classes. Also housed and rehabilitated non-releasable raptors for use in educational presentations.

Naturally Florida, Inc., Owner **1984 - 1986**

- Canoe rental and guide service. Provided select clients with all equipment, suggestions and guidance needed (Old Town canoes, roof racks, maps, camping equipment, binoculars, safety equipment, dry bags...) for excursions ranging from single day trips to week long Everglades wilderness tours.

- Loxahatchee Recreation Inc., Interpretive Naturalist** **1980 - 1986**
- Provide guided airboat tours in the Loxahatchee National Refuge (northeast Everglades).
 - Develop presentations and talks for local environmental groups.

Education

- Florida Institute of Technology** **1996 - 2002**
- Ecology/Conservation Biology, graduate
- United States Navy Aviation Officer Candidate School** **1976 – 1977**
- Commissioned February 1977
- Florida Atlantic University** **1977 - 1980**
- Ocean Engineering, undergraduate
 - Limnology, undergraduate and graduate
- Fairmont State University** **1969 - 1975**
- Biology/Limnology, undergraduate

Skills

- Well over 9,000 hours of airboat experience as PIC.
- USCG MMC 25 ton Masters license.
- Federal Aviation Administration Remote Pilot Certificate 4081834
- Experienced single engine private pilot.
- Good working knowledge of Adobe Photoshop and Premiere Pro
- Excellent knowledge of Florida freshwater ecosystems, natural history, flora and fauna.
- Very experienced with group presentations and communicating the importance of sustaining our remaining natural habitats.

Annexes

- Served as Audubon representative on the Flagler County Comprehensive Land Use Plan Committee.
- Completed Basic Florida Wildland Fire Training.

Publications

- Available upon request

Boards Application Form

Profile

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Submitted

_____	Christopher	_____	O'hara
Prefix	First Name	Middle Initial	Last Name

cohara@sjrwmd.com
 Email Address

4505 Lake Waterford Way Apt 5	_____
Home Address	Suite or Apt

Melbourne	FL	32901
City	State	Postal Code

Mobile: (321) 794-9643	_____
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

28 years

To which Commissioner are you applying?

District 3

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)
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Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

I have a four year degree from Florida Tech in Ecology and Marine Biology. I have worked in conservation land management for almost 22 years. Mostly in Brevard County and some in little while in Central Florida. I worked for the EEL program for over 15 years, so I am very familiar with the EEL Program.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques. NOT required for applicants applying for the positions related to business, finance or real estate.

I am very knowledgeable in Brevard county ecosystem having work in the EEL Program. I am also very familiar with management techniques having used several over my years in conservation.

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

I was an alternate to replace an SMC member.

Christopher O'hara

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

I am not sure if SJRWMD qualifies for this question. I am not involved with the regulator aspects of the water management district.

Please explain your interests and experiences.

I worked for the program and understand the importance of having knowledgeable committee members on the SMC. I feel that my previous experience with the EEL Program along with my experience since leaving work with the county makes me a good candidate for the SMC

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

I have previous served on the governing board at Turkey Creek Sanctuary. I also served on the CSO board at St Sebastian River State Park, including president of the board. I have covered the rest this question above and have attached my resume. I

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No

[Chris_J_O_resume_SMC_.pdf](#)

Upload a Resume

Agreement

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Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree

CHRISTOPHER J O'HARA

1512 Palm Place Drive

Palm Bay, FL 32905

321-794-9643

Cohara@sjrwmd.com

To find a position that will allow me to grow professionally, while helping the organization grow as well.

7/2022- PRESENT

LAND MANAGEMENT SPECIALIST, ST JOHN'S RIVER WATER MANAGEMENT DISTRICT

Assist with land management of over 200,000 acres of conservation land in the southern district of SJRWMD. Includes prescribed fire, recreation control and trail maintenance.

1/2021- 7/2022

LANDSCAPER 2, UNIVERSITY OF CENTRAL FLORIDA

Perform duties with the Urban Forestry Tree Team within the Landscaping and Natural Resources Dept. Duties including; planting, removing, pruning and inspecting trees within the University of Central Florida. Assist with aspects of the University's Land Management Program including being a member of the Fire Team. Additionally, the use of heavy equipment to complete tasks.

11/2020- 1/2021

GROUNDSKEEPER 2, FLORIDA INSTITUTE OF TECHNOLOGY

Worked to maintain grounds on the campus of Florida Tech. Duties included all aspects of maintaining assigned zone, including pruning, weeding, line trimming, plant removal, trash removal and monitoring the zone. Worked with lead to complete other tasks including plant removal, spreading rock, filling holes. Also managed exotic plants within the zone.

7/2006 – 12/2019

LAND MANAGEMENT SUPERINTENDENT, BREVARD COUNTY EEL PROGRAM

Managed staff to perform all aspects of conservation land management within the south region of Brevard County's EEL Program. Supervised and assisted with daily activities of staff to monitor listed species, prescribe fire preparation, prescribe fire activities, fence lines, and exotic species control. Created an annual budget, made capital purchases, oversaw contracts with vendors and in-field projects. Managed inventory for the region, maintained storage warehouse. Prepared management plans for each of 6 sites.

EDUCATION

BACHOLORS OF SCIENCE, FLORIDA INTITUTE OF TECHNOLOGY

Degrees in Ecology and Marine Biology

SKILLS

- Conducted species surveys and inventories
- Organize and maintain inventory
- Prescribed burn team member
- Create and stay within a budget
- Familiar with GIS and, Microsoft programs
- Write management plans and technical reports.
- Worked and communicated with neighbors and citizens about concerns
- Supervise groups of volunteers
- Treatment of exotic species

ACTIVITIES

I have the ability to organize and maintain staff and inventory. I oversaw several restoration projects and maintained oversight to insure they met success criteria. Part of the prescribed fire burn team (S-130-190, 290, Interagency Burn Course, Southern Engine Academy). I have the ability to learn quickly and adapt to changing conditions.

Brevard County, FL

Boards Application Form

Profile

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Not Submitted

Prefix

Lisa
First Name

Middle Initial

Jane
Middle Initial

Last Name

Toland
Last Name

billstoland@cfl.rr.com
Email Address

4092 SPARROW HAWK RD
Home Address

Suite or Apt

Melbourne
City

FL
State

32934
Postal Code

Primary Phone

Alternate Phone

How long have you been a resident of Brevard County?

To which Commissioner are you applying?

None Selected

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

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Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

BS Chemistry from Penn State University plus graduate-level work in groundwater hydrology. Over thirty years of experience in Florida ecosystems including natural community identification, land preservation, land management, environmental permitting, groundwater analysis, groundwater cleanup, and air quality analysis. Please see resume.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques. NOT required for applicants applying for the positions related to business, finance or real estate.

Please see resume. Over thirty years of direct field experience in wetland delineation, Florida natural community identification, and assessment using FNAI, FLUCCS, and CLC codes including seagrass, and submerged aquatic vegetation assessments, habitat restoration for scrub-jays and gopher tortoises, wetland restoration, enhancement, and creation projects.

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

No.

Lisa Jane Toland

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

No

Please explain your interests and experiences.

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

Brevard County Board of County Commissioners strives to promote diversity and provide reasonable accommodations for individuals with disabilities. If you are requesting an accommodation, please indicate below.

Upload a Resume

Agreement

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Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree



4092 Sparrow Hawk Road
Melbourne, FL 32934

321-242-7173, office
teclisa@cfl.rr.com

Lisa Toland is a recognized leader in the environmental field with over 30 years of professional experience.

Currently, Ms. Toland runs her own environmental consulting firm which she founded over 20 years ago to assist her public and private sector clients in evaluating and permitting environmental resources on their properties so they can reliably, and cost effectively manage their projects. Ms. Toland presently serves a scientific advisor to the Brevard County Board of County Commissioners on issues involving the acquisition and management of environmentally endangered lands secured under Brevard County's voter-approved referendums.

Demonstrated Professional Expertise

- 20 Years, President, Toland Environmental Consulting
- 4 Years, Director, Brevard County Natural Resources Management Department
- 6 Years, Assistant Department Head, Brevard County Solid Waste

As the lead ecologist for Toland Environmental Consulting:

- Work within all of Florida's ecosystems and classify wetland, upland, marine and coastal habitats according to Florida Natural Areas Inventory's Guide to Natural Communities of Florida and the Florida Department of Transportation's Florida Land Use, Cover and Forms Classification System.
- Assess scrub habitat suitability for Florida Scrub-jays, conduct presence/absence surveys for jays, prepare habitat conservation plans, and manage scrub habitat.
- As a permitted Authorized Agent for Florida Fish and Wildlife Conservation Commission (FWC) assess habitat suitability for gopher tortoises, conduct population surveys, and relocate tortoises by either hand shoveling, bucket trapping, or backhoe excavation.
- Assess habitat suitability and conduct presence/absence surveys for Florida Grasshopper Sparrows.
- Delineate wetlands and assess wetland functional values according to State and federal rules.
- Design and implement wetland mitigation plans including wetland creation, restoration, enhancement, and long-term exotic species management.
- Conduct seagrass and submerged aquatic vegetation surveys.
- Act as an FWC approved manatee observer for projects involving in-water work in known manatee aggregation areas and travel corridors.
- Conduct biological monitoring programs for bald eagle nesting sites.

- Prepare and obtain environmental permits for local, state, and federal governments including federal NEPA (National Environmental Protection Act) permitting and coordination with federally recognized native American Indian tribes.
- Use ArcGis Desktop software and prepare GIS maps.

As the Director of Brevard County Natural Resources

- Prepared, amended, interpreted, and enforced Brevard County's Comprehensive Plan and environmental land development regulations protecting Brevard's natural communities, the Indian River Lagoon Estuary system, the St. Johns River, listed species, wetlands, water supply and air quality.
- Oversaw and provided staff support for Brevard County's Environmentally Endangered Lands program including coordinating with the Nature Conservancy and federal and state land conservation programs.
- Oversaw County staff conducting the initial scrub habitat surveys and Florida Scrub-Jay occupancy assessments in Brevard County, obtained full federal funding and local municipalities support to explore the creation of Countywide Habitat Conservation Plan for Florida Scrub-Jays.
- Coordinated thirteen municipalities to create a countywide manatee protection plan, including overseeing the planning process and adoption.
- Represented all 67 Florida counties for the Florida Local Environmental Regulators Association (FLERA) on the governor's technical advisory committee for the creation of the Florida's single wetland definition and wetland delineation rule.
- Sat on the East Central Florida Regional Planning Council's technical advisory committee for the creation of the Regional Wetland Buffer Rule for Developments with Regional Impacts.
- Oversaw the initial engineering and cost sharing studies to begin Brevard's beach renourishment programs.
- Created Brevard County's Sea turtle lighting ordinance and compliance program.
- Reviewed and approved contamination assessment reports and remedial action plans for petroleum contaminated sites including assessing the local geology, soil profiles, vertical and horizontal permeability rates, and the ponding and drawdown effects of treatment systems on the hydrology of adjacent environmental resources including wetlands.

As the Assistant Department Head of Brevard County Solid Waste:

- Coordinated the construction of more than 20 million dollars in new solid waste facilities including procuring engineers and contractors, acquiring property, obtaining proper zoning, performing public relations, assisting in facility design, obtaining all environmental, building and construction permits, implementing environmental mitigation plans, overseeing project construction and enforcing construction contracts.

Education

- B.S. Chemistry, 1985
The Pennsylvania State University, University Park, PA
- University of Central Florida, various dates
Coursework in Groundwater Hydrogeology and Business Finance
16-credit hours of Spanish (I-IV).

Boards Application Form**Profile**

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Submitted

_____ Jennifer _____ D _____ White _____
 Prefix First Name Middle Initial Last Name

jenniferdwhite78@gmail.com
 Email Address

230 Greenway Ave. _____
 Home Address Suite or Apt

Satellite Beach _____ FL _____ 32937 _____
 City State Postal Code

Mobile: (352) 601-7313 _____ Business: (321) 428-2546 _____
 Primary Phone Alternate Phone

How long have you been a resident of Brevard County?

10 yrs

To which Commissioner are you applying?

N/A

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

The EEL Selection and Management Committee serves as an expert volunteer scientific advisory committee to the County Commission on all issues involving the acquisition and management of environmentally endangered lands with the EEL Program protected area network in Brevard County. **The committee also has two seats for experts in the fields of business, finance or real estate.** Please complete the following information and **include your resume as an attachment** when submitting this application for consideration as a volunteer member of the Selection and Management Committee.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

BS-Environmental Science MS-Environmental Science PhD student Conservation Biology Graduate Teaching Associate UCF Genetics Lab Volunteering, interning, and working with local environmental organizations such as the Brevard Zoo, HUBBS SeaWorld Research Institute, FWC Marine Mammal Stranding Team, the Florida Wildlife Hospital, Stella Maris Environmental Research Institute, Florida Shorebird Alliance, and Space Coast Audubon Society has helped to be well rounded and versed in Brevard County's environmental projects and programs. I have worked to complete certifications in Florida Master Naturalist, Master Herpetologist, Natural Areas Training Academy, and Gopher Tortoise Agent Training. I am a wildlife rehabilitator specializing in bats as well as a researcher for several local non-profits working with sea turtles, gopher tortoises, shorebirds, manatees, and amphibians in species conservation and habitat restoration.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques. NOT required for applicants applying for the positions related to business, finance or real estate.

Brevard County's unique systems are home to a plethora of flora and fauna that are in peril. From the dune systems to uplands, to the IRL there is no shortage of areas that need to be considered for ecological management. working for FWC as the IRL regional marine and estuarine habitat restoration biologist I was tasked with the collaboration and coordination of small, mediums, and large scale habitat enhancement and restoration projects. I have worked in the creation and updating of land management plans, rezoning, and conservation easements. As the staff biologist with the City of Satellite Beach I worked with management of greens paces, parks, and preservation areas. From habit enhancement projects within the IRL to dune restoration I am familiar with the conservation needs of diverse landscapes.

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

No

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

No

Please explain your interests and experiences.

My interests include remaining involved in the local community with wildlife research and rescue. I like to see the bigger picture of adaptive management in natural resources. An example of this is working in collaboration with agencies in large-scale restoration projects in the IRL with a focus on improving manatee forage and loafing habitat, as well as creating water quality improvements and educational content at a local manatee warm water refuge site. Being able to collaborate with stakeholders statewide is something that I enjoy.

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

BS Environmental Science minor in biology MS Environmental Science PhD Student Conservation Biology FWC: IRL Marine and Estuarine Habitat Restoration Biologist City of Satellite Beach- Biologist (created my own position, and is the first of its kind at a local municipality in Brevard County) City of Satellite Beach Sustainability Board Board member: Space Coast Audubon Society Board member : Florida Bat Conservancy Certified gopher tortoise training FWC permitted wildlife rehabilitator Florida Master Naturalist Master Herpatologist Certification National Areas Training Academy Cert (natural areas land management) 2022-2023 Lead Brevard Leadership Essentials All of the above have helped me able to look at a diverse group of topics such as development, conservation, prescribed burns, wildlife ecology, emergent pathogens, invasive species, species survival plans, grant funding, and stakeholder engagement.

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none

[Resume_J._White.docx](#)

Upload a Resume

Agreement

Jennifer D White

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Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree

Jennifer D. White

230 Greenway Ave. Satellite Beach, Florida 32937 | 352-601-7313 | jenniferdwhite78@gmail.com
[linkedin.com/in/Jennifer-white-085a18aa](https://www.linkedin.com/in/Jennifer-white-085a18aa) | [@spacecoastwildlife](https://www.instagram.com/spacecoastwildlife)

Skills and Qualifications

Environmental Science major with a minor in wildlife conservation biology with extensive knowledge of field and lab work in conservation projects, project management, and document final analysis.

Environmental Compliance / Permitting	Wildlife Chemical Immobilization	Data Collection/Photo ID	Environmental Permitting
Lab Experience	Water Quality Sampling & Testing	Restoration Project Management	Database creation and management
Grant Proposals & Data Analysis	Management Plans	Species Monitoring & Assessment	Sterilization / QAQC
Land Management	GIS / Mapping	Stakeholder Engagement	Calibration
Biodiversity Action Plan	Habitat Restoration	Education / Outreach	Field Work

Education

(2019-Present) University of Idaho

- MS Environmental Science
- Wildlife Conservation Biology

(2010-2015) University of Phoenix

- Bachelor of Science in Environmental Science
- Minor in Biology

(2020-2023) University of Idaho

- Master of Science in Environmental Science
- Focus area Wildlife Biology

Certifications / Permits

- Florida Master Naturalist 2020
- Florida Restoration Mater Naturalist 2021
- Wildlife Chemical Immobilization and Capture 2021
- Master Herpetologist 2021
- Southeaster Master Herpetologist 2022
- Natural Areas Training Academy 2021-
- Leadership Brevard 2022-2023
- FWC Wildlife Rehabilitation Permit 2019-present
- FWC Class III Permit 2020-present
- FWC Sea Turtle sub permittee (HOI)

Experience

(06/2021-Present) City of Satellite Beach- Biologist

- Grant Writing
- Management Plans
- Species Inventory
- Data Collection / Analysis
- Metrics Management
- Conservation Land Management
- Restoration Project Management
- Stakeholder Engagement
- Community Outreach
- Social Media content creator
- Program Management
- Permitting & Compliance

(01/2016 to 06/2017) Colorado State University-Center for Environmental Management of Military Lands-PAFB Stormwater Compliance-short term contract

- Stormwater Inspections
- Construction Permits-MSGP
- ERP, NPDES, MS(4)
- BMPs
- 332s, Design Reviews, P2

(11/2015 to 2/1/2016) Florida Wildlife Hospital-Internship

- Wildlife Care, Rehabilitation, Rescue, and Release
 - Triage care, nursery care, intake, critical care
 - Rabies Vector qualified/ immunized
- Social Media, Newsletter

(7/2015 to 10/2015) City of Cocoa Beach-Lab Technician Water Reclamation Department

- Sampling
 - YSI, Orion, Spectrophotometer, Influent/Effluent samples
- Testing
 - Fecal Coliform, TSS, E.Coli, Enterococci
- Data Analysis
- Reports
- Inventory
- Quality Control
- Reagent prep

(6/2014 to Present) Academy of Natural History Preparation-Coordinator

- Cataloging, cleaning and prepping fossils (both terrestrial and marine)
- Articulating and repairing skeletons of a variety of animals for educational purposes
- Assisting with non-profit start up
 - Social media
 - Web design

- Grant writing
- Fundraising
- Educational workshop preparation

(8/2014 to 4/2015) HUBBS SEAWORLD RESEARCH INSITUTE (paid internship)

- Small water craft driving and trailering
 - Single engine, skiff
- Necropsy
 - Bottlenose dolphin (Tursiops truncatus)
- Stranding
 - Assisting in retrieval of dead and dying dolphins
- Rescue
 - Assisting in rescue of entangled dolphins (both adult and calves)
- Photo Identification
 - Dorsal fin surveys on the water in Mosquito Lagoon and the Indian River Lagoon
 - Sorting, cropping and identification of dorsal fins using Adobe Bridge and Photoshop
- Driving stranding vehicle
- Sorting samples/Lab work

(4/2014 to 4/2015) Brevard Zoo

- **Education Department:**
 - Assist with offsite education programs ages 3yrs thru 6th grade
 - Assist with after school education programs 1st grade thru 6th grade
 - Zoo school: conservation programs (oyster restoration/mangrove restoration)
 - Animal handling for education; such snakes, lizards, turtles, frogs, and small mammals
- **Conservation Intern:**
 - Scrub Jay monitoring offsite field data collection
 - Captive Butterfly Propagation
 - Diamondback Terrapin database collection in the spoil islands
 - Introduction to Species Survival Plans and Stud books for AZA zoos in America
 - Oyster reef restoration
 - Assisting in building oyster reefs in both Mosquito Lagoon and the Indian River Lagoon
 - Offsite oyster shell collecting and bag making
 - Oyster mat making & oyster gardening events
 - Public and community outreach through Brevard County
 - Green Team member (sustainable products development)
 - Development of reusable bag sewing project as well as sewing 50 bags
- **Zoo Keeper Intern:**
 - Clean night houses for animals in the La Selva loop such as jaguars, ant eaters, birds of prey, spider monkeys, small primates, and coatamundi
 - Assisted in feeding of animals on loop
 - Made enrichments for animals on loop

(6/2014 to Present) Florida Fish and Wildlife Conservation Commission

- **Marine Mammal Rescue volunteer-Melbourne, FL**
 - Manatee rescue in Satellite Beach & Blue Springs Florida
 - Swimmer rescue, net experience, boat assistance rescue
 - Manatee transport to rehab facilities

- Necropsy Manatee (*Trichechus manatus*)
- Assisting in manatee tagging and monitoring
- Assisting in manatee photo identification
 - Photography of manatees in canals using Nikon D50 with filters and polarized lens

(6/2014 to 12/2014) St. Johns River Water Management District (internship)

- **Indian River Lagoon Team-Palm Bay, FL**
 - Water quality testing throughout the Indian River and Banana River
 - Calibration and use of YSI, SUNA, and SOND machines
 - Test ODO, Ph, salinity, clarity/turbidity, temp, conductivity,
 - Use of Secchi and PAR (Photosynthetically Active Radiation) measurement devices
 - TMDL
 - Continuous monitoring of water quality stationary sites
 - Sea grass bed monitoring in the Banana River and Indian River Lagoon
 - Snorkeling
 - Making transects
 - Using transects to identify different species of sea grass and quantity of grass
 - Invasive plant identification

Volunteer Positions

- **(4/2013 to 9/2014) Homosassa State Wildlife Park**
 - Wildlife Department
 - Cleaning of enclosures of shore birds, birds of prey, spoonbills, bears, reptiles, foxes
 - Preparing diets for a variety of species
 - Feeding manatees, pelicans, hippo, birds of prey, bears, shore birds, hoof-stock
 - Cleaning boardwalks
- **(05/2018 to Present) Wild Florida Rescue**
 - Wildlife Rescue Lead
 - Grant renewal
 - Talks and Education outreach
 - Hotline Dispatch
 - Data Collection
 - Program management
 - Fundraising
 - Event Coordinating/Media
 - Volunteer coordinator
- **(12/2014 to 08/2015) Sea Turtle Healing Center**
 - Cleaning tanks of loggerheads, olive green Ridley's and Green sea turtles
 - Feeding turtles
 - Water quality of tanks
 - Preparing diets for turtles
 - Separation between contagious disease and non-contagious vs. injury
 - Re-release of turtles
- **(8/2014-Present) HUBBS-SeaWorld Research Institute**
 - Photo Id
 - Marine Mammal stranding, rescue, retrieval, and release
 - Necropsy

- Watercraft operation
- Trailering
- Necropsy
- Research assistance
- Lab assistance
- **(6/2014-Present) FWC Marine Mammal Stranding Team**
 - Manatee Rescue
 - Manatee Photo ID
 - Manatee Field Sampling
 - Manatee Database collection
- **(8/2019-Present) FWC Florida Shorebird Alliance**
 - Shorebird nesting beach surveys
 - Shorebird data collection and database management
 - Public education and outreach
- **1/2019-Present FWC Horseshoe Crab Project**
 - Horseshoe crab surveys
 - Horseshoe crab tagging and monitoring
 - Horseshoe crab database collection
- **06/2019-2021 City of Satellite Beach Sustainability Board Chair**
 - Grant Writing
 - Community Engagement
 - Education and Outreach Events
 - Environmental Projects
- **7/2019-Present Space Coast Audubon Board of Directors**
 - Biodiversity
 - Talks and Presentations
 - Public education and outreach
- **03/2020- Present Stella Maris Environmental Research**
 - Hatchling Orientation Researcher
 - Field Work
 - Data Collection
 - Nest Digs
 - Predation Investigation

Boards Application Form

Profile

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Submitted

_____	Jennifer	_____	Thompson
Prefix	First Name	Middle Initial	Last Name

sharkyjones24@hotmail.com
Email Address

217 Oak Lake Road	_____
Home Address	Suite or Apt

Melbourne	FL	32901
City	State	Postal Code

Mobile: (321) 292-9175	Business: (321) 350-8394
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

26

To which Commissioner are you applying?

None Selected

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)
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Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

I have a BS in Marine Biology and a BS in Ecology from Florida Institute of Technology. I have worked testing water quality and educating Brevard County residents about its importance for 23 years. I currently work in Natural Resources Dept. testing water and conducting studies to improve the IRL work quality.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

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I have tested drinking water, wastewater, groundwater, and surface water for over 20 years in Brevard County. I have conducted gopher tortoise surveys of burrows, surveyed endangered bird habitats for nests and offspring, and surveyed seagrass beds for seven years. I also conduct stormwater pollution prevention inspections for the County for HOAs, businesses, and County facilities.

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

SMC member for EEL

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

No

Please explain your interests and experiences.

Love to dive and enjoy the water. I also love to help improve the environment, so I volunteer with Keep Brevard Beautiful often with their cleanups and beautification events.

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

President for Keep Brevard Beautiful's South Action Team, HOA President of my subdivision, and Board member for IRL Envirothon.

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None

Upload a Resume

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Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree

Jennifer Thompson
(321) 292-9175
Sharkyjones24@hotmail.com

Objectives

To pursue a career in which I am challenged to utilize my current talents in enhancing and protecting the environment and to further my knowledge and skills through hands-on experience in a positive work environment that rewards motivated, efficient employees.

Experience

5/19 – Current Brevard Co. Natural Resources Melbourne, FL

Environmental Specialist I

- Perform monitoring and sampling on stormwater with automatic samplers, flow meters, rain gages, and HydroLab equipment.
- Perform monitoring and sampling on groundwater with peristaltic pumps and HydroLab equipment
- Collect grab samples and monitor surface water while conducting aquatic vegetation surveys
- Inspect stormwater systems operated by the County for their NPDES requirements
- Conduct NPDES and pollution prevention training for employees across all departments plus the cities of West Melbourne, Malabar and Grant-Valkaria
- Calibrate and maintain monitoring and sampling equipment
- Attend pollution prevention meetings and training
- Maintain, trailer and drive a 19' boat
- Answer and investigate resident inquiries regarding stormwater, including site visits for illicit discharge
- Educate business and homeowners on BMPs to reduce pollutants
- Perform gopher tortoise surveys at the Mims Conservation area
- Help install oyster restoration projects and perform sea grass surveys

1/18 – 5/19 Brevard Co. Natural Resources Melbourne, FL

Associate Environmental Specialist

- Perform monitoring and sampling on stormwater with automatic samplers, flow meters, rain gages, and HydroLab equipment.
- Perform monitoring and sampling on groundwater with peristaltic pumps and HydroLab equipment
- Collect grab samples and monitor surface water while conducting aquatic vegetation surveys
- Inspect stormwater systems throughout the County
- Calibrate and maintain monitoring and sampling equipment
- Attend pollution prevention meetings and training

- Maintain, trailer and drive a 19' boat
- Answer and investigate resident inquiries regarding stormwater, including site visits for illicit discharge
- Educate business and home owners on BMPs to reduce pollutants
- Identify Gopher Tortoise burrows
- Help monitor oyster mats and bags by measuring live oysters, install and remove oyster mats and bags, and create shell bags

3/11 – 1/18

City of Melbourne

Melbourne, FL

Environmental Programs Coordinator

- Plan, develop and present interactive media and PowerPoint presentations
- Continually update and provide education programs for all residents throughout the water distribution area on recycling, stormwater, water conservation and pollution prevention
- Coordinate events such as Trash Bash, adopt-a-road cleanups, IRL Envirothon, IRL Day, Hands Across the Lagoon, Coastal Cleanup, Exemplary Science Teacher Awards, Research Rules (science fair preparation seminar) and Middle School Science Bowl
- Participate in events such as Paws in the Park, Teacher Open House at the Brevard Zoo, Better Living Expos, Youth Environmental Summit, festivals, Earth Day events/festivals, company events (Northrop Grumman, Rockwell Collins, FIT), career days for middle schools, science fairs, Wonders of Water Nights and HOA meetings
- Create boil water notices and FDEP incident reports
- Enforce irrigation, fertilizer and leak ordinances
- Update CUP and NPDES reports
- Obtain quotes, prepare purchase orders and develop art work for ordering promotional items
- Assist with preparation for distribution and editing of the monthly Public Works & Utilities Connection and quarterly Conservation Newsletter
- Manage toilet and rain barrel rebate programs
- Maintain budget, pay roll and inventory records and supplies
- Monitor and enforce the trash hauling contract for the city
- Work with residents that experience problems with Waste Management
- Assemble new customer welcome packets and records for reporting requirements

5/04 – 3/11

City of Melbourne

Melbourne, FL

Laboratory Analyst / Deputy QA/QC Officer

- NELAC certified for fecal coliform, cBOD and TSS
- Traveled to another water reclamation facility to collect samples and verify pH, turbidity and residual chlorine readings daily
- Daily routine consisted of performing cBOD, membrane filtration for fecal coliforms and TSS, along with making media and reagents

- Monthly routine consisted of performing chlorides, TDS, %TS, MPN, ammonia, total phosphorus, HPC, conductivity, pH, sterility, purity and viability checks and calibrating supporting equipment
- Ran a meeting once a week with the supervisor and analysts
- Sampled and analyzed groundwater quarterly
- Calibrated automatic samplers and thermometers biannually
- In 2006 I was upgraded to deputy technical director (DTD) for the quality control aspects of the lab and kept up with all regulation changes from EPA, NELAC, and DEP
- In 2010 I was upgraded to deputy QA/QC officer, which included all the duties of DTD plus conducting internal audits and making revisions to all SOPs and QC manuals

7/02 – 5/04

City of Titusville

Titusville, FL

Environmental Analyst

- Provided the city and contract clients with analytical services such as fecal and total coliforms (using filtration, MPN and Colilert methods), HPC, fecal streptococcus, chlorides, alkalinity, solids (TS, TS, %TS, VS and TDS) and COD for drinking water, reclaimed water, waste water and sludge
- NELAC certified for the above mentioned tests
- Collected samples daily for fecal coliform and solids
- Collected samples quarterly from wells and interconnects with the City of Cocoa

8/00 – 5/01

Florida Institute of Technology

Melbourne, FL

Molluscan Biology Research Assistant

- Entered research data concerning *Callinectes sapidus* for Dr. Rick Tankersley
- Conducted field research for *C. sapidus* and *Limulus sp.*

5/00 – 7/00

FTN Environmental Consultants

Little Rock, AR

Summer Intern

- Researched environmental factors affecting risk assessments for areas in Arkansas and Tennessee
- Collected groundwater samples for analysis
- Conducted fieldwork determining wetland delineation in Mississippi
- Entered MSDS data
- Completed secretarial duties
- Researched other companies in need of FTN's services by looking through compliance reports

Education

1998 – 2002

Florida Institute of Technology

Melbourne, FL

- B.S., Marine Biology
- B.S., Ecology
- 129.5 credit hours acquired

Training

- NAUI Wreck diving and advanced diving certified
- NOAA Project Design and Evaluation certified
- DEP Field Sampling Courses
- Driving Safety training
- CPR certified
- FDEP Sedimentation and Erosion Control Inspector
- FSA Stormwater Operator Level 2
- 24 Hour HAZWOPER
- FWC Boating Safety Course
- Brevard County's EDP Completion of Phase 1 & 2

Special Interests/Awards

- 2004-Became the Advisory Committee Chairperson for Alpha Phi Omega, a co-ed service fraternity, at Florida Institute of Technology
- 2011-Awarded the Meritorious Award for Large Utilities for Environmental Awareness and Conservation Programs by FSAWWA
- 2012-Became a trustee for Keep Brevard Beautiful (KBB); 2013-became secretary for the South Action Team (SAT); 2014-became treasurer and We Noticed beautification awards chairperson for SAT
- 2012-2018-Member of the Space Coast Science Education Alliance
- 2014-Awarded the Education Award by KBB
- 2017-Awarded the Volunteer Leadership Award by Eastern Florida State College
- 2019-Awarded for Outstanding Service with the Brevard Regional Science Fair

Boards Application Form

Profile

If interested in one of these boards please fill out this application and submit.

Which Boards would you like to apply for?

Environmentally Endangered Lands Selection and Management Committee (SMC): Submitted

Dr	Jeff		Eble
Prefix	First Name	Middle Initial	Last Name

jebile@hswri.org
Email Address

399 Riverview Lane	
Home Address	Suite or Apt

Melbourne Beach	FL	32951
City	State	Postal Code

Home: (508) 237-9551	
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

8 years

To which Commissioner are you applying?

N/A

Do you consent to a standard criminal background check?

Yes No

Interests & Experiences

Please tell us about yourself and why you want to serve.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)
 The EEL Selection and Management Committee serves as an expert volunteer scientific advisory committee to the County Commission on all issues involving the acquisition and management of environmentally endangered lands with the EEL Program protected area network in Brevard County. **The committee also has two seats for experts in the fields of business, finance or real estate.** Please complete the following information and **include your resume as an attachment** when submitting this application for consideration as a volunteer member of the Selection and Management Committee.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your willingness to serve on the committee for a minimum term of two (2) years.

I agree that I am willing to serve on the committee for two years

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please confirm your ability to attend meetings in-person

You agree that you are available to attend in-person meetings

I Agree

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide a brief overview of your background and expertise related to the following committee member requirements: Four-year postsecondary academic degree (B.S. or equivalent) in biological or environmental sciences or demonstrated professional expertise (minimum of 6 years) in a closely related conservation field such as ecosystem management, natural resources conservation, aquatic biology, field ecology, marine biology, botany, geology, hydrology, fire ecology, natural areas management, human use and recreation in natural areas, science education, or natural area sanctuary design. OR a background and expertise in either business, finance or real estate.

I hold a Ph.D. in Zoology from the University of Hawaii, with over 15 years of professional experience in biological and environmental sciences. My expertise spans ecosystem management, field ecology, marine biology, and natural resource conservation, with a specific focus on restoring and preserving critical habitats.

Question applies to Environmentally Endangered Lands Selection and Management Committee (SMC)

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques. NOT required for applicants applying for the positions related to business, finance or real estate.

I have extensive knowledge of Brevard County ecosystems and habitat types through my leadership in ecological restoration and research projects. My recent work has focused on the Indian River Lagoon where I have led efforts to improve understanding and management of critical habitats and biodiversity. I am collaborating with local stakeholders, including the Brevard County Environmentally Endangered Lands Program, on initiatives such as habitat restoration at the Coconut Point Sanctuary.

Are you currently serving on any State, Regional or Brevard County board, council, or committees? If so please name.

Florida Ocean Alliance: Executive Committee IRL National Estuary Program STEM Advisory Committee: Representative Hubbs Florida Ocean Fund: Board of Directors

Do you have or hold any employment or contractual relationship with any business or any agency which is subject to the regulation of or is doing business with Brevard County? If so, please explain.

I am employed by Hubbs-SeaWorld Research Institute, a non-profit organization that recently initiated a collaboration with Brevard County to advance habitat restoration and land-management efforts. More broadly, HSWRI programs and collaborations are focused on regional conservation goals. Some HSWRI programs involve regulatory oversight by county agencies.

Please explain your interests and experiences.

I have a long-standing interest in conserving critical habitats and promoting sustainable ecosystem management, which aligns closely with the mission of the Environmentally Endangered Lands Program. My professional experience includes leading large-scale ecological research and restoration projects which directly support the health and resilience of Brevard County's unique ecosystems. Through my work, I have developed extensive experience collaborating with governmental agencies, academic institutions, and community stakeholders to address environmental challenges and implement conservation solutions. I am particularly interested in serving on the Advisory Committee because I understand the vital role that conserving key habitats plays in ensuring Brevard County's long-term ecological and economic health.

Please explain your background, including education, work experience, civic or community organization memberships and positions, and any professional licenses or memberships, and how this applies to the function of the Board, Council or Committee that you are interested in serving on.

I hold a Ph.D. in Zoology and have over 15 years of experience in habitat restoration, ecosystem management, and conservation planning. My work has involved identifying high-priority areas for restoration and collaborating with stakeholders to secure funding and implement conservation projects. This experience aligns closely with the EELS' mission to identify and manage lands critical to habitat conservation and long-term ecological health.

Brevard County Board of County Commissioners strives to promote diversity and provide reasonable accommodations for individuals with disabilities. If you are requesting an accommodation, please indicate below.

No accommodations are requested.

[Resume-Jeff_Eble.pdf](#)

Upload a Resume

Agreement

Dr Jeff Eble

Advisory committees are subject to the Florida open meetings (Sunshine) and public records laws; your response with a completed application with your contact information is a public record; if chosen as a member of the committee, any communications to you from the County or from you to the County in regard to the committee will be a public record.

Please Agree with the Following Statement

I understand the responsibilities and commitment of time associated with an appointment to a Brevard County board, council or committee.

I Agree

Jeff A. Eble

jebile@hswri.org • (508) 237-9551 • 4020 S. Hwy A1A. • Melbourne FL, 32951

Major Achievements

- \$3.6M in awarded research and program development grants and appropriations
- 27 peer-reviewed journal articles, 2 book chapters, 2531 citations, h-index = 22
- 19 invited and 23 contributing research talks; 48 public science outreach presentations

Education

2010 Ph.D. Zoology. University of Hawaii, Honolulu HI.
2003 B.A. Biology. University of Hawaii, Hilo HI.

Selected Experience

Florida Program Director; *Hubbs-SeaWorld Research Institute. 2023 – Present*

- Established the IRL Restorative Aquaculture Station as a collaborative hub for aquaculture research and production, securing \$659k for phase 1 redevelopment and research.
- Advanced seagrass restoration and coastal sustainability through collaborative studies addressing ecological impacts and restoration strategies.
- Partnering with Brevard County Environmentally Endangered Lands Program to mitigate shoreline erosion within the Coconut Point Sanctuary and adjacent HSWRI property.

Research Assistant Professor & Project Coordinator; *Florida Institute of Technology, Ocean Engineering and Marine Sciences. 2018 – 2023*

- Directed planning and coordination for a \$2.5M multi-phase assessment of IRL eutrophication mitigation strategies in close coordination with state and federal agencies.
- Enhanced public awareness and stakeholder engagement through presentations, media outreach, and briefings, building support for regional conservation initiatives.
- Led innovative research in marine biodiversity monitoring, resulting in three peer-reviewed publications and development of major funding proposals.

GIREC Research Coordinator; *University of West Florida, CEDB. 2013 – 2018*

- Secured \$265k in funding to initiate development of the Gulf Islands Research and Education Center through two negotiated, multi-year agreements with the National Park Service.
- Fostered campus-community collaboration via workshops, educational events, and partnership-building with local educators and organizations.
- Delivered hands-on research experiences to more than 1,400 students, promoting STEM education and environmental stewardship.

Selected graduate and post-doctoral accomplishments; *University of Hawaii & University of Arizona, respectively. 2004 – 2012*

- National Institute of Health Research and Teaching Fellowship (2010 – 2012)
- John A. Knauss Marine Policy Fellowship (2009; declined award)
- ARCS Foundation Scholar (2009)
- National Science Foundation Teaching Fellowship (2005 – 2006)

Jeff A. Eble

jeble@hswri.org • (508) 237-9551 • 4020 S. Hwy A1A. • Melbourne FL, 32951

Awarded Grants, Contracts & Fellowships

\$99,890	USDA NRCS: Seagrass Restoration Research (PI: 2025-2030)
\$404,000	FY24 Federal Appropriation: IRLRAS Phase I Repairs (PI: 2025-2027)
\$468,000	FDEP: Ecosystem Level Impacts of Hypoxia (co-PI: 2024-2025)
\$925,000	State of Florida: Lagoon Ocean Inflow Research Phase II (PI, 2022-2023)
\$800,000	State of Florida: Lagoon Ocean Inflow Research Phase II (PI, 2020-2021)
\$800,000	State of Florida: Lagoon Ocean Inflow Research Phase I (co-PI, 2019-2020)
\$66,000	NPS Task Agreement: GIREC Student Internship Program (PI, 2015-17)
\$56,600	NPS Task Agreement: Reptile and Amphibian Monitoring (PI, 2014-19)
\$172,000	University of West Florida Pace Academic Development Grant (PI, 2013)
\$4,000	University of Arizona Center for Insect Science Population Dynamics (PI, 2011)
\$142,000	University of Arizona NIH Postdoctoral Fellowship (2010)
\$46,000	John A. Knauss Marine Policy Fellowship (declined award, 2010)
\$5,000	ARCS Scholar (2009)
\$30,000	Dingell-Johnson Sportfish Restoration Grant (PI, 2008)
\$59,800	Hawaii Coral Reef Initiative Research Grant (PI, 2005)
\$32,000	National Science Foundation GK-12 Teaching Fellowship (2005)
\$12,200	<i>Combined value of eight graduate student travel and research awards (2005-10)</i>
\$18,000	National Science Foundation Research Experience for Undergraduates (2003)

Five Recent Publications (out 27 journal articles, two book chapters, and 1988 citations)

1. Kumar, G., Farrell, E., Reaume, A., **Eble, J.**, Gaither, M. (2021). One size does not fit all: Tuning eDNA protocols for high and low turbidity water sampling. *Environmental DNA*. <http://dx.doi.org/10.1002/edn3.235> (*cover article*)
2. **Eble, J.A.**, J. DiBattista, T. Daly-Engel, M. Gaither (2020). Invited Review: Marine eDNA approaches, applications, and challenges. *Advances in Marine Biology* 86:141-169. <https://doi.org/10.1016/bs.amb.2020.01.001>
3. Kumar, G., J.A. **Eble**, M.R. Gaither (2020). Invited Technical Review: A practical guide to sample preservation and pre-PCR processing of aquatic environmental DNA. *Molecular Ecology Resources* 20:29-39. <https://doi.org/10.1111/1755-0998.13107>
4. Crandall, E., M.R. Gaither, C. Bird, et al. (2019). The molecular biogeography of the Indo-Pacific: Testing hypotheses with multispecies patterns. *Global Ecology and Biogeography*. <https://doi.org/10.1111/geb.12905>
5. **Eble, J.A.**, J. Pecore (2019). "Invasive aliens": A collaborative citizen science activity using DNA barcoding to investigate concepts in ecology and molecular biology. *American Biology Teacher* 81(3): 69-174. DOI: 10.1525/abt.2019.81.3.169

Full CV available upon request