

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

1512 Palm Place Drive	_____
Home Address	Suite or Apt

Palm Bay	FL	32905
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

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 o 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.

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.

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

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

[Chris J O resume_SMC_.pdf](#)

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

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.

Boards Application Form

Profile

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Which Boards would you like to apply for?

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

_____	<u>Kathryn</u>	_____	<u>E</u>	_____	<u>Becker</u>
Prefix	First Name		Middle Initial		Last Name

k.elizabeth.becker@gmail.com
 Email Address

<u>4085 Old Settlement Rd</u>	_____
Home Address	Suite or Apt

<u>Merritt Island</u>	<u>FL</u>	<u>32952</u>
City	State	Postal Code

<u>Mobile: (321) 431-3886</u>	_____
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

38 years

To which Commissioner are you applying?

N/A

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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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

Kathryn E Becker

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.

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[KEBecker_Curriculum_Vitae.pdf](#)

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

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

August, 2010 - December, 2010

Salary: 4947.00 USD per term plus tuition

Hours per week: 20

Graduate Teaching Assistant, Biology Laboratory 1

August, 2009 - April, 2010

Salary: 4947.00 USD per term plus tuition

Hours per week: 20

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)

2011

Ecological Society of America, Southeastern Chapter

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

_____	Jacob	_____	Zehnder
Prefix	First Name	Middle Initial	Last Name

jake.zehnder@gmail.com

 Email Address

1750 Mosswood Dr.	_____
Home Address	Suite or Apt

Melbourne	FL	32935
City	State	Postal Code

Mobile: (239) 634-8998	_____
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

6 years

To which Commissioner are you applying?

None Selected

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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I received my B.S. in Biology (Marine concentration) with a Minor in Sustainability from the Florida Institute of Technology in 2011. And I am currently halfway through my coursework for a M.S. in Forest Resources and Conservation (Ecological Restoration concentration) at the University of Florida with planned graduation date in 2024.

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Field work in the IRL, St. Johns River, and terrestrial communities in Brevard County during undergrad. Designed, permitted, and built estuarine restoration projects for 5 years in Brevard County including projects on three different EEL properties. Certified pesticide applicator and have worked removing Brazilian Pepper and other invasives from public lands. Coursework at University of Florida has included management and restoration of longleaf pine, IPM for invasive/pest species, and watershed restoration and management. Volunteer experience with the Florida Trail Association doing trail maintenance.

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

I currently serve on the EEL REAC.

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.

None.

Please explain your interests and experiences.

I am passionate about conservation lands and recreation. My family have hiked through 3/4 of the EEL properties and I have a deep respect for the work that has been done in Brevard County to preserve these incredible areas. I would like to contribute my background in restoration to continue this great work.

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.

Currently working the regulatory field with experience in project design, permitting, wetland delineation and scoring, UMAM and mitigation. Previous work was in the design, construction, and monitoring of restoration projects including oysters, clam, seagrass, and more than a dozen native plant species. I helped review the Brevard County Oyster Habitat Suitability and Rehabilitation Success Plan, and authored Appendix D of the plan. I have a professional certification from the Society for Ecological Restoration. I am also an avid hiker and am very familiar with the need to balance conservation and recreation access. I have hiked from Lake Okeechobee to the Atlantic Ocean (62 miles), through most of the EEL properties, and across the entire Adirondack Park in New York State (238 miles). If selected, I would bring a unique perspective that blends restoration and recreation to the Committee.

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N/A

[J. Zehnder - Resume 2023.pdf](#)

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I Agree

JACOB A. ZEHNDER

1750 Mosswood Dr, Melbourne, FL 32935 * (239) 634-8998 * jake.zehnder@gmail.com

PROFESSIONAL EXPERIENCE

U.S. Army Corps of Engineers (Cocoa, FL)

Project Manager/Biologist (40 hours/week)

2021 – Present

- Protect the nation's aquatic resources and navigable capacity while allowing economic development through fair and balanced decisions.
- Evaluate permit applications subject to Federal authority under Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act of 1972.
 - Review activities in, over, and under Waters of the United States
 - Review activities that may result in a dredge or fill of Waters of the United States
 - Responsibilities included coordination with applicant/agent, coordination with commenting agencies, jurisdictional determinations, wetland delineations, mitigation, and project authorization/denial.
- Coordinate the review of other Federal laws as applicable including the National Historic Preservation Act, the Endangered Species Act, the National Environmental Policy Act, the Magnuson–Stevens Fishery Conservation and Management Act, Tribal Trust responsibilities, and more.

St. Johns River Water Management District (Palm Bay, FL)

Regulatory Scientist (40 hours/week)

2021

- Reviewed the environmental portion of Environmental Resource Permits (ERP). Conducted site visits to identify resources and potential impacts.

Brevard Zoo's Restore Our Shores Program (Melbourne, FL)

Conservation Manager (40 hours/week)

2017 – 2021

Restoration Project Coordinator (40 hours/week)

2016 – 2017

- Permitting manager for all restoration activities
 - Nationwide Permits with the US Army Corps of Engineers. Environmental Resource Permits (ERP), Aquatic Plant Collection Permits, Special Activities Licenses, and Nursery Certifications with the State of Florida.
 - Restoration projects have included oyster bars, living shorelines, a seagrass pilot, and clam beds.
 - Coordinated with property owners, developed project designs, coordinated meetings with regulators and permit applications, oversaw permit compliance, post-construction notices, inspections, etc.
 - Designed projects to maximize oyster survival and recruitment, avoiding seagrass beds and emergent wetland vegetation, avoiding and minimizing impacts to wetlands and water quality, and protection of state and federally-listed species.
 - Used the best available research, monitoring data, and partnerships to guide projects to success.
- Designed, permitted, and oversaw construction of more than 1 mile of oyster reef and 1/2 mile of living shoreline projects.
- Primary agent on all permits required for these projects over the last four years.
 - No less than 48 Nationwide Permits, 14 ERP's, and 4 Exemptions.
- Study, selection, and deployment of appropriate plant species for living shoreline projects within the estuary and creation of site evaluation parameters for future projects.
- Technical review and edits on the Brevard County Oyster Habitat Suitability and Rehabilitation Success Plan.
- Hired, trained, and supervised a team of conservation practitioners in the office and the field to educate the community about the Indian River Lagoon and construct living shoreline projects.
- Developed and maintained relationships with partners throughout the region.
- Individually coordinated a \$500K FL DEO grant to design and build a Living Shoreline Demonstration Site
 - Authored memorandum of understanding, managed contracts, authored grant reports, etc.

JACOB A. ZEHNDER

1750 Mosswood Dr, Melbourne, FL 32935 * (239) 634-8998 * jake.zehnder@gmail.com

Climate Action Campaign (San Diego, CA)

Director of Events and Membership (40 hours/week)

2016

- Organized annual fundraiser including coordination of sponsors, vendors, attendees, and elected officials.
- Managed database of donors and coordinated tracking, payments, invoices, and acknowledgements.
- Drafted communications to members and volunteers, including email and social media outreach.

The Fund for the Public Interest (San Diego, CA)

Lead Citizen Outreach Director (60-80 hours/week)

2013 – 2015

- Responsible for all daily operations and oversight of a non-profit campaign office of 10-25+ staff.
- Built coalitions and ran advocacy meetings that led to the passage of two statewide bills and a city ordinance.

Lee County Mosquito Control District (Lehigh Acres, FL)

Seasonal Intern - Field Verification of Aerial Larviciding (40 hours/week)

2012

- Reared and maintained a sterile laboratory colony of freshwater and saltwater mosquito species for research. Conducted pre and post-treatment field counts of adult mosquitoes to evaluate pesticide efficacy.
- Accessed remote areas for field inspections to determine treatment plans by helicopter, truck, and foot.

Alaskan Observers, Inc. (Dutch Harbor, AK)

North Pacific Groundfish Observer (40 hours/week)

2011

- Seasonal employee with NOAA/National Marine Fisheries Service through a 3rd party contractor.
- Worked as an observer on 3 different vessel types as part of the Magnuson-Stevens Fishery Conservation and Management Act. Tracked compliance with NMFS regulations & USCG vessel safety regulations.
- Determined the best sampling regimes for specific vessel type and target species with no supervision.
- Species identification on dozens of different fishes, crabs, and inverts.
- Reported high quality data to NOAA for use in long term population assessments and in-season quota changes.

Florida Institute of Technology (Melbourne, FL)

Field and Laboratory Assistant (15 hours/week)

2008 – 2010

- Under the direction of Dr. Jonathan Shenker, worked on contract with St. Johns River Water Management District sampling ichthyoplankton on the St. Johns River. Study was conducted to assess impacts to the natural community from a proposed municipal water withdrawal.
- Collected plankton and water samples in the field. Sorted and identified fish by developmental stage in the lab.
- Prepared field samples in formalin and converted to ethanol for archive storage after returning to the lab.

EDUCATION, CERTIFICATIONS, & MISC.

University of Florida - Gainesville, FL

2022 – Present

In Progress: *Master of Science in Forest Resources and Conservation (Ecological Restoration concentration)*

Florida Institute of Technology - Melbourne, FL

Graduated 2011

Bachelor of Science in Biology (Marine concentration), Minor in Sustainability

JACOB A. ZEHNDER

1750 Mosswood Dr, Melbourne, FL 32935 * (239) 634-8998 * jake.zehnder@gmail.com

Professional Certifications

- **Society for Ecological Restoration** – Certified Ecological Restoration Practitioner In-Training, exp. 2026

Working Groups

- **Northeast Florida Estuarine Restoration Team (NERT)**, 2017 – Present. Collaboration between government, private sector, and NGOs with expertise in estuarine habitat restoration between the St. Mary's River and Sebastian Inlet.
- **East Central Estuarine Restoration Team (ECERT)**, 2018 – Present. Collaboration between government, private sector, and NGOs with expertise in estuarine habitat restoration between Sebastian Inlet and Lake Worth Lagoon.
- **Subcommittee on Managed Marshes (SOMM)**, 2022 – Present. Florida Coordinating Council on Mosquito Control's subcommittee which works to balance public health and habitat function.
- **Brevard Shellfish and Living Shoreline Working Group**, 2022 – Present. Collaboration between government, private sector, and NGOs. Group works to refine project design, share best practices, and improve restoration projects in Brevard County.

Boards

- **Brevard County EEL Program - Recreation and Education Advisory Committee**, 2021 – Present. Advisory committee providing recommendations for public access, passive recreation, and environmental education on EEL managed conservation lands.

Conferences - selected

- Indian River Lagoon Symposium 2023: IRL Seagrass
 - Presenter – “The Joy of Permitting: Seagrass Restoration and USACE”
- Indian River Lagoon Symposium 2022: IRL Connectivity
- Indian River Lagoon Symposium 2021: IRL Research during the Pandemic
- **Restore America's Estuaries: 10th National Coastal & Estuarine Virtual Summit 2020**
 - Presenter – “Engaging the Next Generation in Living Shorelines”
- Indian River Lagoon Symposium 2020: Reassessing IRL Biodiversity
- ShORE Symposium 2019
- Indian River Lagoon Symposium 2019: *Quo Vadis?*
- **Restore America's Estuaries: 9th National Summit on Coastal and Estuarine Restoration and Management 2018**
 - Presenter in a special session – “Community-Based Restoration in Brevard County, Florida”
- **Indian River Lagoon Symposium 2018: Restoration of the Indian River Lagoon**
 - Presenter – “Living Shoreline Designs for Lagoon-front Residents: Living Shoreline Demonstration Site and Wave Tank Modeling”
- Indian River Lagoon Symposium 2017: An Estuary in Peril
- NOAA Green Infrastructure for Coastal Resiliency Workshop 2016

Publications – Weaver, R.J., Stehno, A., Bonanno N., Sager, A., Kenny, A., Zehnder, J.A., "[Scale Model Design of Oyster Reef Structures as Part of a Showcase Living Shoreline Project](#)", (2017), Shore & Beach

Volunteering – Marine Resources Council and Florida Trail Association

Miscellaneous – Skilled with Microsoft Office Suite, Google Drive, Google Earth, and handheld GPS; Extensive public speaking experience, Leave No Trace certified; First Aid/CPR/AED/Stop the Bleed certified; Florida Public Health Pesticide Applicator; PADI Diver; Florida Safe Boating Certified; Florida Class E Drivers License.

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.	_____
<small>Home Address</small>	<small>Suite or Apt</small>

Satellite Beach	_____	FL	_____	32937
<small>City</small>	<small>State</small>	<small>Postal Code</small>		

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

How long have you been a resident of Brevard County?

10 yrs

To which Commissioner are you applying?

District 4

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 o 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.

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, Wildl Florida Rescue, Stalla 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 hold a BS in Environmental Science and am in my last semester to complete my MS in Environmental Science with a minor in wildlife biology. I have worked to complete certifications in Florida Master Naturalist, Master Herpatologist, 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. 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 my position helps in land management of greenspaces, 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

Jennifer D White

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.

Biologist with the City of Satellite Beach

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 (graduation May 2023) Current position: 6/2021 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.

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

[Resume_J_White.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

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 INSTITUTE (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

_____	Jon	_____	H	_____	Shepherd
Prefix	First Name		Middle Initial		Last Name

jon@atlantices.com
 Email Address

3321 N Harbor City Blvd	_____
Home Address	Suite or Apt

Melbourne	_____	FL	_____	32935
City		State		Postal Code

Mobile: (321) 302-2662	_____	_____
Primary Phone		Alternate Phone

How long have you been a resident of Brevard County?

46 years

To which Commissioner are you applying?

N/A

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 o 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

Jon H Shepherd

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 degree in Biological Sciences from FSU (1996) and a MS degree in Biological Sciences/Ecology Option from Florida Tech (2002). I have been an environmental consultant in Brevard County since 1996. Additionally, i have been a small business owner in Brevard County since 2003.

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 would like to apply for the position related to business if possible.

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.

My company, Atlantic Environmental of Florida, LLC, works on occasion for Brevard County projects, typically as a sub-consultant for an engineer and assists in environmental assessments, permitting, and mitigation. We also have worked for many developers that have made land donations to the EEL Program and have worked directly with EEL to bring these donations to fruition.

Please explain your interests and experiences.

Interests include fishing, boating, soccer, and my 14 year old daughter's volleyball. Experiences include living in FL my entire life and always being an outdoor enthusiast. I have also navigated being a business owner in Brevard County for the last 20 years and have watched Brevard grow significantly throughout the years.

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 graduated from Melbourne High School in 1992 and from FSU with a degree in Biological Sciences in 1996. I began working for a local Brevard County environmental consulting firm in 1996. In 2002 I received my Masters degree in Biological Sciences with an Ecology option from Florida Tech. In 2003, I opened my own environmental consulting firm and have been in business ever since. This combination of business ownership and working in the environmental field makes me uniquely qualified to see both the business side and environmental side of issues that may come in front of the EEL Committee. In the past, I have been a member of the Brevard County Flood Hazard Areas - Wetlands Working Group, the City of Melbourne Beautification and Energy Efficiency Board, the Brevard County Blue Ribbon Advisory Board for Transportation Infrastructure, and the Olde Eau Gallie Riverfront Community Redevelopment Committee. I currently hold the certifications of a Professional Wetland Scientist and FWC Authorized Gopher Tortoise Agent.

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.

N/A

[Jon_Shepherd_Resume.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

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

_____	Lisa	_____	J	_____	Toland
Prefix	First Name		Middle Initial		Last Name

teclisa@cfl.rr.com
 Email Address

4092 Sparrow Hawk Rd	_____
Home Address	Suite or Apt

Melbourne	_____	FL	_____	32934
City		State		Postal Code

Business: (321) 242-7173	_____	Mobile: (321) 795-2553	_____
Primary Phone		Alternate Phone	

How long have you been a resident of Brevard County?

35 years

To which Commissioner are you applying?

N/A

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 o 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 possess a Bachelor of Science Degree in Chemistry from Penn State University. I have over 35 years of experience in the environmental field, including owning my environmental consulting firm for 21 years and serving as the Director of Natural Resources and the Assistant Department of Solid Waste for Brevard County.

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.

Currently, I work within all terrestrial and marine ecosystems within Brevard County, describing and assessing natural communities and listed species utilization.

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.

Yes. My business represents private sector, non-profit and governmental agencies in evaluating properties for environmental resources and listed species. In addition, my firm assists these entities in obtaining appropriate permits when development cannot avoid impacting these environmental resources. In unincorporated areas of Brevard County, this would include obtaining permits from Brevard County.

Please explain your interests and experiences.

My interests include wildlife photography, biking, hiking, and spending time with my family. My experience is detailed in the attached resume.

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.

My resume addresses each of these areas in detail

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.

[Professional Resume Lisa Toland.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



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

_____	<u>Maryann</u>	_____	<u>Civil</u>
Prefix	First Name	Middle Initial	Last Name

mcivil10@gmail.com

Email Address

<u>1301 Lichty St. NE</u>	<u>Palm Bay FL 32905</u>
Home Address	Suite or Apt

<u>Palm Bay</u>	<u>FL</u>	<u>32905</u>
City	State	Postal Code

<u>Home: (321) 725-6926</u>	<u>Home: (321) 417-2783</u>
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

30+ years

To which Commissioner are you applying?

District 5

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 o 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, in soil and water conservation, and water quality management 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.

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

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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

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

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

_____	Tamy	_____	Dabu
Prefix	First Name	Middle Initial	Last Name

tamy@dabu.co

 Email Address

170 Grant Road	_____
Home Address	Suite or Apt

Merritt island	FL	32953
City	State	Postal Code

Mobile: (321) 474-4315	_____
Primary Phone	Alternate Phone

How long have you been a resident of Brevard County?

19 Years

To which Commissioner are you applying?

None Selected

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 o 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.

After graduating from college with a B.S. in Biology I have worked over 30 years in the environmental sciences profession. I have over 13 years as a Program Manager with the Florida Department of Environmental Protection, Environmental Resource Program (ERP) and over 13 years as a Program Manager with the U.S. Army Corps of Engineers in the Wetland Regulatory Program. I have extensive knowledge of the Central Florida area and am familiar with the resources found in Brevard County.

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 over 28 years of experience and familiarity with the ecosystems found within Brevard County. I have inspected thousands of properties in BC during my 26 years of professional work as a regulatory scientist for the FDEP & ACOE. I have extensive experience working in the various habitat types found in BC, especially with regard to wetlands jurisdiction, threatened/endangered species, functional values of various habitat types, mitigation proposals, etc. I recognize the importance of various ecosystems conservation and land management techniques.

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

I am currently the Chairperson on the Brevard County, Environmentally Endangered Lands, Selection & Management Committee. I have served on the SMC for two years.

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 also work part-time for Applied Ecology, Inc. (AEI) as a Senior Regulatory Scientist. Brevard County has hired AEI to perform environmental, ecological services.

Please explain your interests and experiences.

I thoroughly enjoy the outdoors and care about Brevard County (BC). BC is fortunate to have a variety of ecosystems and threatened/endangered species. Outside of my full-time job with the U.S. Air Force, I spend some of my free time gardening, hiking/walking at our various BC park/EEL sites.

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 worked over 30 years in the environmental sciences profession. I have over 13 years as a Program Manager with the Florida Department of Environmental Protection, Environmental Resource Program (ERP) and over 13 years as a Program Manager with the U.S. Army Corps of Engineers in the Wetland Regulatory Program. I have extensive knowledge of the ecosystems found in the Central Florida area and am familiar with the resources found in Brevard County.

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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

Tamy S. Dabu
170 Grant Road
Merritt Island, FL 32953
USA

Email: tamy.dabu@us.af.mil
Email: t3ndabu@bellsouth.net
Cell: (321) 474-4315
Work: (321) 494-7198
DSN: 854-7198

Work Experience

Environmental Program Manager, United States Air Force

Air Force Civil Engineer Center (AFCEC), Patrick Installation Support Section (ISS)
1224 Jupiter Street
Patrick Air Force Base, FL 32925
Supervisor: Michael Willard (321) 494-7199, DSN 854-7199; Contact: Yes

November 2018 – present, Biological Scientist (Environmental), GS-0401-12.
40 hours per week.
Clearance: Secret

Duties: Provide professional AFCEC environmental compliance support to the following installations: Avon Park Air Force Range, MacDill Air Force Base, and 45th Space Wing (Patrick Air Force Base, Cape Canaveral Air Force Station, Malabar Tracking Annex, Jonathan Dickinson Missile Tracking Annex (JDMTA), Ascension Island. Provide professional expertise and technical support with an emphasis in the Air Quality, Storage Tanks/POL, Natural Resources and Water Programs. Provide direct program management of these programs in direct support of Planning, Programming, Budgeting & Execution (PPBE) for Environmental Quality (EQ). Provide policy and guidance, program evaluation, resource allocation, and other direct support for all regional environmental compliance, pollution prevention, natural/cultural resources, and cleanup programs, operations and activities. Exercises professional judgement in recognizing and resolving and/or recommending solutions to difficult or unusual environmental problems. Provides consultation and advisory services to leadership and customers in support of environmental administrative issues. Executes AFCEC environmental programs IAW DoD and AF policy and all applicable laws/regulations. Provide advisory services in support of environmental administrative issues. Communicate critical issues to appropriate ISS staff, superiors, installation staff and other stakeholders. Develop specific plans for programs based on org goals and objectives. Identifies strategic sourcing opportunities and leverages a variety of exec methods to reduce cost and provide speedy delivery of products and services. Identifies program execution and contracting strategies to enable efficiencies. Develops, reviews and manages contracts for environmental projects and services.

Provides prompt professional direction and oversees a team of environmental professionals. Provide expertise and support to installations to maintain compliance with all environmental laws and regulations. Timely prepare technical legal documents and/or concise technical information for the installations for submittal to state and various federal regulatory agencies for approval. Serves as a liaison and maintains a technical dialog with my coworkers, contractors, consultants, state and federal agencies. Experience and knowledge of construction and service contracting procedures relevant to executing environmental related contracts. Effectively communicate in a formal briefing or in a public speaking forum. Utilize AF databases such as eDash, MICT, ESOHMIS, APIMS, STAR, Water Enterprise Tracking (WET), Refrigerant Management Compliance, Enforcement Actions Spills Inspections (EASI).

Air Quality and Storage Tanks Program Manager, United States Air Force

45 CES/CEIE

1224 Jupiter Street

Patrick Air Force Base, FL 32925

Supervisor: Laurie Fisher (321) 494-7288, DSN 854-7288; Contact: Yes

June 2016 – November 2018, Biological Scientist (Environmental), GS-0401-12, 40 hours per week (Air Quality Program Manager)

June 2017 – present, Biological Environmental), GS-0401-12,

40 hours per week (Air Quality and Storage Tanks Program Manager)

Clearance: Secret

Duties: Responsible for administrating the Air Quality and Storage Tank Programs for the 45TH Space Wing (45 SW) which includes Patrick Air Force Base (PAFB), Cape Canaveral Air Force Station (CCAFS), Malabar Tracking Annex (MTA), Jonathan Dickinson Missile Tracking Annex (JDMTA) and Ascension Island. Timely prepare all regulatory submittals, many require SW/CC sig. Proficient with the Air Force staffing process for documents. Adhere to Clean Air Act (CAA), Air Force Instructions (32-7040, 32-7044), Air Force Manual (32-7089), Florida Administrative Codes for Air Program and Storage Tank Programs. Utilize the Air Program Information Management System (APIMS) and Storage Tank Accounting & Reporting (STAR) for tracking air emissions and for storage tank compliance. Develop Performance Work Statements (PWS), Statement of Work (SOW) and supporting IGE's, for numerous projects. Utilize AF databases such as eDash, MICT, ESOHMIS, APIMS, STAR, Water Enterprise Tracking (WET), Refrigerant Management Compliance, Enforcement Actions Spills Inspections (EASI). Assist and mentor coworkers. Conduct Multi-Media (Air, Storage Tank, Hazardous Waste, and Water) Inspections to ensure our compliance with Federal, State and municipal regulations. Maintain a professional dialog with my coworkers, contractors, consultants, state and federal agencies. Knowledge of AF budget and funding processes. Prepare budgets for Air Quality & Storage Tank Programs through upcoming fiscal years (FY). Timely complete all Data Calls. Experience with contracting procedures for environmental related contracts. Completed and maintain current hazardous waste, safety, DoD, AF trainings as required. Experience with effectively speaking in a formal briefing, in agency meetings or to the public. Proficient

with writing technical documents for various audiences. Alternate Approving Official (AO) for 45 SW Environmental Compliance Program. Demonstrate excellent problem resolution skills, concrete action plans to resolve problems, skill in fact finding. Strong organizational skills to manage multiple tasks efficiently and effectively.

Project Manager, United States Army Corps of Engineers (ACOE)

Jacksonville District, North Permits Branch,
Cocoa Permits Section
400 High Point Drive, Suite 600
Cocoa, FL 32926

Supervisor: Irene Sadowski, (321) 504-3771, Contact: Yes

April 2008 – June 2016, Project Manager/Biologist, GS-0401-12, 40 hours per week.
June 2003 – March 2008, Project Manager/Biologist GS-0401-11. 40 hours per week.
Clearance: Secret

Duties: Responsible for timely and professionally reviewing applications for work in waters of the United States (Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. §403)) and within jurisdictional wetlands (Section 404 of the Clean Water Act (33 U.S.C. 1344)) under all appropriate regulations, policy and guidance. Provide excellent reliable public service. Manage one of the largest workloads in the District. Uphold the Department of Army (DA) values: loyalty, duty, respect, selfless service, honor, integrity, and personal courage. Maintain a professional dialog with my team, sponsors, state and federal agencies, applicants and consultants. Responsible for reviewing projects that involve Section 103 of the Marine Protection, Research & Sanctuaries Act of 1972 (33 U.S.C. 1413) work. As a reliable professional Project Manager I am able to evaluate all levels and types of DA permit applications, including complex and controversial projects, perform jurisdictional determinations, functional assessments, review and develop compensatory mitigation proposals that adhere to all regulatory requirements including Endangered Species Act and National Historic Preservation Act. Projects are timely reviewed, coordinated with other federal agencies, Environmental Assessments are prepared and final action is taken. As a Project Manager in the Regulatory Division I perform extensive oral and written communication with the applicant, agent, engineer, consultant, municipality, general public and other regulatory agencies. Serve as a contributing member of the Training Product Development Team (PDT) and Endangered Species Act PDT. Champion on the Efficiency PDT, which developed numerous methods to improve Regulatory Division's work efficiencies. I have managed projects from applicants that include Walt Disney World, Canaveral Port Authority, NASA, St Johns River Water Management District, Brevard County, Indian River County, and thousands of others.

May 2012 – August 2012

Acting Section Chief, United States Army Corps of Engineers

Panama City Section, GS-0401-13,
Regulatory Division, North Permits Branch, 40 hours per week.

Duties: Supervise and mentor a staff of five by applying policies, procedures and regulations related to the ACOE regulatory program in a manner that ensures decisions made are sound and balanced between technical accuracy, product quality, mission requirements, while being fair to the applicant. Review and prepare recommendations and permit decision documents that are clear and concise and reflect a thorough knowledge of the laws, policies, regulations, and precedents applicable to the Regulatory Program. Ensure that the level of detail to each evaluation (environmental assessment) commensurate with the complexity of the proposed project. Build and maintain collaborative, proactive relationships with staff, internal and external customers and stakeholders to provide quality products and services. Promote synergy, teamwork, and trust by fostering open, honest communications with internal and external stakeholders. Promote public confidence in products and projects delivered by ACOE.

December 2001 –June 2003

Environmental Manager, Florida Department of Environmental Protection (FDEP)

3319 Maguire Blvd, Suite 232

Orlando, FL 32803

40 hours per week.

Duties: Manage the Submerged Lands and Environmental Resource Program's (SLERP) permitting program and 8 staff; review and process complex projects, DRI's and Clearing House Projects; resolves problematic and complex projects; coordinates training for all SLERP staff; primary volunteer for speaker on behalf of the SLERP Central District; provides permitting guidance to the compliance/enforcement staff when necessary; conducts site inspections to assess the biological, ecological, water quality and proprietary impacts that a project may pose; conducts compliance inspections; counsels property owners, governmental officials, engineers, and developers and assists in the preparation of permit applications when necessary, explaining the jurisdictional responsibilities and permitting procedures within the Florida Department of Environmental Protection, Environmental Resource Program in the Central District. The Central District area comprises of eight counties: Brevard, Indian River, Lake, Marion, Orange, Osceola, Seminole, and Volusia.
Immediate supervisor: George Gionis: 407-893-3310 (retired).

September 1999 – December 2001

Environmental Supervisor, FDEP

3319 Maguire Blvd, Suite 232

Orlando, FL

40 hours per week.

Duties: Supervised the Submerged Lands and Environmental Resource Program's (SLERP) permitting staff (five employees); Review and process complex projects; Resolve problematic and complex projects; Coordinate training for all SLERP staff; Primary volunteer for speaker on behalf of the SLERP Central District; Provide permitting guidance to the compliance/enforcement staff when necessary; Conduct site inspections to assess the biological, ecological,

water quality and proprietary impacts that a project may pose; Conduct compliance inspections; Counsel property owners, governmental officials, engineers, and developers and assists in the preparation of permit applications when necessary, explaining the jurisdictional responsibilities and permitting procedures within SLERP. Immediate supervisor: Terry Zable (no longer with the FDEP) and George Gionis: 407-893-3310 (retired).

August 1990 – September 1999

Environmental Specialist (I & II): Florida Department of Environmental Protection/Florida Department of Environmental Regulation,

3319 Maguire Blvd, Suite 232

Orlando, FL

40 hours per week.

Duties: Responsible for the review and processing of environmental resource permit applications (initially dredge/fill applications); conducts site inspections to assess the biological, ecological, water quality and proprietary impacts that a project may pose; counsels property owners, governmental officials, engineers, and developers; performs informal jurisdictional determinations; review and process mangrove applications; assist in training new employees; familiar with dredge and fill, environmental resource permitting and proprietary authorization review and process.

December 1988 – December 1989

Tax and Insurance Administrator: Hazleton Laboratories Corporation, Herndon, VA

40 hours per week.

Duties: Filed all state tax returns; accounted for current and deferred taxes; prepared consolidated tax provisions; administered all insurance policies and as necessary within the corporate office.

August 1987 – November 1988

Laboratory Specialist: Akzo/Bionetics Research, Inc. Rockville, MD

40 hours per week.

Duties: Developed hybridomas for contract and commercial purposes. Included fusion, screening, cloning and partial characterization of monoclonal antibodies; use of sterile tissue culture techniques.

November 1986- August 1987

Research Technician: In Vitro Cell Line Screening Project, National Cancer Institute, Frederick Cancer Research Facility, Frederick, MD

40 hours per week.

Duties: Performed general laboratory procedures including sterile tissue culture techniques, In Vitro drug toxicity studies and data analysis using computer systems.

Education:

B.S. in Biology, Bridgewater College – May 1986

A.A. in Accounting, Northern Virginia Community College – December 1989

Additional Information

AF Training:

Approving Official Training
APIMS database
STAR database
HAZWOPPER Training
7 Habitats of Highly Effective People
Currently enrolled in Squadron Officer School (SOS)

USACE training:

13+ years of experience with Section 10/404 programs
Prospect Courses: Regulatory I, II A, II B, II C, IV, Wetlands Development & Restoration, Environmental Impact Assessment, Environmental Laws & Regulations, Cumulative Impact Assessment.

State training:

13 years of experience with the dredge/fill, wetland resource/environmental resource program
I have permitted in excess of 3,000 projects during this time frame (most of these projects were located in Brevard, Indian River, Orange and Marion Counties).
Wetland Delineation Training
Supervisory Training
Public Service Training

AWARDS:

2018 – Cash Award & Time off Performance Award
2017 – Cash Award & Time off Performance Award
2011 – Cash Award, for my contributions on the Endangered Species Act (ESA) PDT and the Efficiency PDT.
2010 – Cash Award, for managing projects.
2009 – On the Spot Award, for my selfless service at the 2009 Florida Dock and Marine Expo in Jacksonville, Florida.

Florida Department of Environmental Protection (FDEP) Employee of the Month - December 2002

FDEP, Central District Employee of the Month – October 2002

FDEP, Central District Outstanding Performance Award 2001

FDEP, Central District Superior Performance Award 2000

FDEP, Central District Award

FDEP, Central District Award

FDEP, Central District

FDEP Central District Employee of the Month – June 1995