

**Brevard County  
Environmentally Endangered Lands (EEL) Program  
Selection and Management Committee Volunteer Application**

First Name: Jim Last Name: Burney  
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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.

*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.*

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

I am willing to serve on the committee for two years: yes

Please confirm your ability to attend meetings in-person.

I am available to attend in-person meetings: yes

Please provide a brief overview AND resume 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.

Overview:

BS. Biological Sciences. UCF 1987.  
MS. Biological Sciences. UCF 1995.  
SWS Professional Wetland Scientist Certification. 1997.

36 years of experience with invasive species control, aquatic and upland habitat management, natural resource mapping and inventory, wildlife and fisheries population studies and management, native plant propagation and planting, mitigation and habitat creation, and natural areas restoration.

Please provide an overview of your knowledge of Brevard County ecosystems, habitat types and conservation land management techniques.

32 years of specific experience in Brevard County waters and lands including: T/E wildlife and plant population studies in central County; municipal water discharge water quality monitoring in Indian/Banana Rivers (Cocoa and Cape Canaveral); wetland creation and ecological monitoring for wastewater treatment marsh in Titusville, and; invasive plant management on federal, state, and county conservation lands throughout the County. Active member of East Central Florida CISMA regarding management of public conservation lands and waters, including those in Brevard County.

Email SMC Volunteer Scientist Application

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

### **EDUCATION**

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

### **EMPLOYMENT HISTORY**

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

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

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

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

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

2019-Present. Aquatic Vegetation Control, Inc.

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

### **SUMMARY OF EXPERIENCE**

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

### **LICENSES and CERTIFICATIONS**

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

### **CURRENT AFFILIATIONS**

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