

## **Living Shoreline Contractors**

The following contractors have identified themselves as providers of LSL services, and have supplied the company descriptions below.

Ecological Consulting Services, Inc.  
38 S Blue Angel Pkwy #346  
Pensacola, Florida 32506  
850-417-7008  
850-346-2073 (cell)  
www.ecologicalconsultingservices.com  
Contact: Heather Reed

Ecological Consulting Services, Inc. (ECS), is a consulting firm specializing in the resolution of complex environmental issues through cost-effective project planning, management, and applied engineering and scientific expertise. ECS listens to the client's specific needs and develops a sound technical understanding prior to designing solutions.

The members of ECS staff has 16 years experience in planning and executing environmental monitoring efforts and evaluation, design, research and installation of monitoring stations for various disciplines, utilizing electronic data loggers, remote samplers, and remote communications systems. These baseline environmental data are used to predict potential impacts and future decision making for conservation.

Regulations protecting our natural resources are enacted on a frequent basis by federal, state, and local agencies. ECS expertise in all ecological disciplines offers our clients practical solutions to minimize or even avoid potential costly or time-consuming environmental impacts on project permitting from existing or newly enacted regulations.

- Ecological restoration and planning
- Marine research
- Threatened and endangered plant and animal species surveys/management plans
- Vegetation mapping, sampling, and monitoring
- Wildlife surveys and management/monitoring plans
- Aquaculture design and planning
- Seagrass surveying, retrieval, planting, mapping and monitoring
- Coral reef surveying, mapping and monitoring, and management planning
- Management of invasive species
- Salt Marsh Restoration and Planning
- Shoreline stabilization
- Wetland mitigation plans/implementation
- Aquatic species 316(a) and (b) impact assessments
- Community Outreach
- Data Organization and analysis
- Grant development and project management

- Field crew development and management
  - Long term Monitoring
  - Project Specific Best Management Practices
- 

EarthBalance  
2629 Waverly Barn Road, Suite 121  
Davenport, Florida 33897  
863-420-1945  
863-420-1959 (fax)  
www.earthbalance.com  
Contact: Chrissy Hensel, M.S., PMP, Senior Biologist

EarthBalance® is Florida's leading ecological restoration firm, specializing in restoring, protecting, and managing ecosystems. EarthBalance® serves clients throughout Florida, the Southeastern US, and the US Virgin Islands, with offices in North Port, Central Florida, and Tallahassee. Our nursery located in DeSoto County is a leading grower and supplier of native wetland and upland plants in Florida. We provide the "complete restoration package" in-house by utilizing our own full-time, experienced planting and maintenance crews and native plants grown at our own nursery. We have significant experience creating, restoring, and maintaining living shorelines in marine and freshwater habitats. Please visit our website ([www.earthbalance.com](http://www.earthbalance.com)) or contact our Central Florida office at 863-420-1945 for more information.

---

PBS&J  
2401 Executive Plaza, Suite 2  
Pensacola, Florida 32504  
850-478-9844  
etschneider@pbsj.com  
Contact: Eric Schneider, Project Manager

PBS&J has been providing responsible solutions to the environmental and infrastructure challenges of business, governments, and industries since 1960. Among "The Top 200 Environmental Consulting Firms" by Engineering News Record (ENR), PBS&J is in the top 50 and is the top-ranked Florida based firm. We have a staff of nearly 4,000 professional employees in 75 offices throughout the U.S. Twenty-five of these offices are located in Florida. Our corporate structure allows us to draw upon the technical resources of our entire firm, as needed, to successfully accomplish project assignments.

PBS&J has capabilities to provide full service support for living shoreline projects including design, permitting, project management, construction monitoring, biological monitoring, grant procurement/management, and other services.

Mr. Schneider, a project manager in the North Florida Environmental Sciences group, has a ten-year background in environmental sciences with eight years working for the Florida Department of Environmental Protection. Mr. Schneider has been with PBS&J for two years. Mr. Schneider has experience in environmental analysis, restoration, and regulation. Work with PBS&J has focused on environmental support for three separate PD&E studies, including an Environmental Impact Statement, managing development of a Habitat Conservation Plan for Perdido Key, conducting seagrass surveys, developing Essential Fish Habitat Assessments, threatened and endangered plant surveys and assisting in mitigation monitoring. Among other tasks, he also has responsibilities of managing grant contracts for the Northwest Florida Water Management District's Florida Forever Capital Improvements Grant Program.

---

Seahaven Consulting  
5A Market  
Beaufort, South Carolina 29906  
843-379-1005 (phone/fax)  
bpickel@seahavenconsulting.com  
Contact: Brad Pickel

Brad Pickel is Principal and Owner of Seahaven Consulting, Inc., an environmental and coastal consulting firm serving public and private clients in Florida, South Carolina and North Carolina. Mr. Pickel is a coastal scientist with more than 10 years experience working on open coast and sheltered bay environment projects. He received his Bachelors of Science degree in Marine Biology from Auburn University and his Masters of Science degree from the University of South Alabama under the tutelage of Dr. Scott Douglass. While at the University of South Alabama, Pickel's research focused on armoring of the Mobile Bay shoreline and its effects on adjacent areas.

In 1999, Douglass and Pickel authored a Shore and Beach journal article titled, "The Tide Doesn't Go Out Anymore – The effect of Bulkheading on Urban Bay Shorelines." The paper discussed a research study that was conducted to quantify the amount of armoring that had occurred in Mobile Bay, determine the type of armoring that had occurred, and quantify the loss of intertidal habitat due to the armoring. They found that developed areas typically chose vertical structures (bulkheads) to protect their property; and in areas where bulkheads were installed, the intertidal habitat was typically lost to vertical erosion. As an alternative to bulkheading, Douglass and Pickel designed and constructed a living shoreline project at the Brookley Golf Course in northwest Mobile Bay. The project has survived direct impacts from the hurricanes of 2004 and 2005 and is still mitigating shoreline erosion today.

After leaving the University of South Alabama, Pickel became the first scientist ever hired by the tourism industry for beach management by becoming the Beach Management Coordinator for the Walton County Tourist Development Council. For the next seven years, Pickel oversaw the County's beach management program that included the management and maintenance of over 50 beach and bay accesses, hurricane recovery efforts after the hurricane seasons of 2004 and 2005, and the County's first beach restoration project. Through his work with Walton County, Pickel was responsible for technical review and coordination, permitting, securing grant funding and

project management. In late 2007, Pickel left to start his own coastal and environmental management firm, Seahaven Consulting.

In late 2007, Pickel began working on a living shoreline project in Choctawhatchee Bay for a private individual. The project consists of the installation breakwaters composed of oyster shell baskets with native vegetation in the lee of the structure. This project is currently in the permitting process and is expected to be under construction in late spring or early summer.

Mr. Pickel is also a leader in numerous national and state organizations relating to coastal management. For example, he is on the board of directors of the American Shore and Beach Preservation Association (ASBPA) and served on the board of directors of the Florida Shore and Beach Preservation Association from 2004 to 2007.