

# G. Alan Wood, PWS

Environmental Professional

## Education

Bachelor of Science (Biology) – *Lander University, Greenwood, SC*

Graduate Studies (Coastal Marine & Wetland Science) – *Coastal Carolina University, Conway, SC*

## Professional Registrations & Associations

Professional Wetland Scientist #2757

Member – Society of Wetland Scientists

Member – The Association of State Wetland Managers, Inc.

## Expertise

Identification, delineation, and ecological condition and functional assessment of freshwater and estuarine wetland, stream and aquatic resources of the Atlantic and Gulf Coastal Plain region

Federal Clean Water Act (CWA) section 404 program, especially CWA jurisdictional determinations, permitting regulations, and enforcement issues.

Coastal Zone Management Program (CZMP), South Carolina Coastal Zone Consistency (CZC) and Critical Area regulatory programs, especially beachfront management, Critical Area delineations, and permitting.

Compensatory mitigation regulations, especially US Army Corps of Engineers (USACE) – Charleston District Standard Operating Procedure (SOP).

Technical and regulatory assistance for clients seeking state and federal water resource impact permitting on residential and commercial engineering projects.

Enforcement consultation between individuals/developers and regulatory agencies to mediate violation resolutions.

Site assessment of wetland and stream restoration and enhancement potential for compensatory mitigation projects.

Wetland restoration and enhancement design specific to hydrologic and vegetation monitoring, analysis and reporting.

Development of scoping instruments for mitigation banking including preliminary bank prospectus and Mitigation Banking Instruments (MBI)

## Professional Experience

### **The EARTHWORKS Group - Murrells Inlet, SC (2008-Present)**

Mr. Wood manages wetland and environmental resource projects for The EARTHWORKS Group. Mr. Wood provides regulatory permit support to civil engineering projects, completes tidal and freshwater wetland delineations and manages mitigation banking and development at Congaree Carton and Swamp Thing wetland mitigation banks located in Charleston County, SC. Mr. Wood has extensive experience in delineation and assessment of wetland and aquatic resources, Section 404/401 permitting, Coastal Zone Management Program regulations, wetland restoration, monitoring, and mitigation banking.

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## Projects Highlights



### **Congaree-Carton Wetland Mitigation Bank - Awendaw, SC (2008-Present)**

Mr. Wood has been involved with this 440 acre project since 2008. During the first four years, he worked with the bank manager collecting, analyzing, and reporting on the vegetation and hydrologic parameters of site restoration and enhancement. Since 2012, Mr. Wood has been the primary manager of the mitigation bank with responsibility for all aspects of monitoring, reporting, compliance, and credit transactions. As the bank manager, Mr. Wood was able to help develop a plan to adjust and improve upon the initial hydrologic plan for the site. As a result the bank brought the first tidal wetland credits to the South Carolina market while also continuing to satisfy enhancement and restoration criteria for the bank.

### **Santee River Rediversion Litigation - Georgetown and Williamsburg Counties, SC (2008-2009)**

Mr. Wood was a key member of the scientific team for the assessment of flooding damages caused by the Santee River Rediversion Project which came online in 1985. Mr. Wood was one of the lead site assessors and analyst for the assessment of over 35,000 acres of property along the Santee River adjacent to and downstream of the Rediversion Canal as part of a scientific study related to the impacts created by the St. Stephens hydroplant. This assessment included determination of jurisdictional wetlands, river, and groundwater hydrology related to the changes in the riverine hydrology caused by releases from the Rediversion Project. Detailed soil, vegetation, and groundwater data points were collected and analyzed to determine the impacts and changes that developed due to the change in the hydrologic regime and hydroperiod. The acreages calculated by The EARTHWORKS Group were utilized by the Federal Court to establish the compensation for the landowners, which was over \$200 million.

### **USARC Stormwater & Sanitary Sewer Site Assessments - FL, KY, LA, MS, NC, SC, TN (2010-2011)**

As part of the project team, Mr. Wood assessed the condition of stormwater and sanitary sewer infrastructure at US Army Reserve Centers (USARC) across seven states. Assessments involved using dye tracers, smoke testing, camera scoping, and underground location to identify damages or cross contamination within the systems. Mr. Wood assisted in completion of comprehensive reports with maps and corrective recommendations for each facility that were submitted to the Department of the Army for review.

### **Swamp Thing Wetland Mitigation Bank - Awendaw, SC (2012–Present)**

Mr. Wood is the project manager establishing a 1,000+ acre wetland mitigation bank servicing the Charleston, SC metropolitan area. He worked with the bank sponsor and land management group taking the project from inception through to an approved prospectus. As an ongoing project it is currently at the Mitigation Banking Instrument development stage.

### **Turkey Creek Watershed Wetland Assessment - Gulfport, MS (2015)**

Mr. Wood was one of two field scientists assessing potential environmental impacts to the Turkey Creek watershed in Gulfport MS, associated with proposed development plan submitted to the USACE. The 1,300 acre development sought to fill 432 acres of freshwater wetlands with an inadequate and incomplete mitigation plan. Following the assessment of the project site and surrounding areas, EARTHWORKS was able to provide an analysis of the negative downstream effects that could result from loss of a substantial wetland area within this watershed. The resulting report became the cornerstone for the community's legal defense against poorly regulated development.