



## **Christopher R. Clouser**

President / Principal Biologist

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### **EXPERIENCE**

Since 1992 Mr. Clouser has gained valuable technical experience and has been the lead designer of numerous wetland and wildlife habitat projects including: wetland mitigation, waterfowl impoundments, wetlands for passive treatment of acid mine drainage, educational wetlands, and wildlife habitat development. From 2000 through 2007 Mr. Clouser spearheaded one of the Commonwealths largest waterfowl habitat development programs by administering and delivering over four million dollars of federal, state and private restoration dollars restoring 1,500+ acres of wetlands and over 100 miles of riparian buffers in Pennsylvania in partnership with the U.S. Fish and Wildlife Service, U.S. Forest Service, USDA Natural Resources Conservation Service, USDA Farm Service Agency, Pennsylvania Game Commission, Western Pennsylvania Conservancy, Pennsylvania Department of Environmental Protection, Soil and Water Conservation Districts, corporations, and private landowners. Since 2007 Mr. Clouser has been the president and principal biologist for BluAcres, LLC, a wetland and wildlife habitat restoration company in Pennsylvania. Mr. Clouser is very knowledgeable with numerous federal financial assistance programs available to landowners including WRP, CRP, CREP, WHIP, and EQIP and has developed the very broad expertise indicated below.

### **WETLAND MITIGATION**

Mr. Clouser has extensive experience in the wetland mitigation process and has been actively involved in the mitigation of wetlands in Pennsylvania since 2005 and completed projects for the Pennsylvania Department of Transportation, U.S. Fish and Wildlife Service, Pennsylvania Department of Environmental Protection, Marcellus Shale Development Companies, Non-Profits, and Utility Companies.

- Post Creek Wetland Mitigation Project, Upper Susquehanna Coalition, Horseheads, NY
- McPherron Wetland Mitigation Project, PennDOT, U.S. Fish & Wildlife Service, Clearfield County, PA
- Virginia Farms Wetland Mitigation Project, Pennsylvania Renewable Resources Association, Westmoreland County, PA
- SGL 282 Wetland Mitigation Project, Mark West, Greene County, PA
- Warner - Pennsylvania Wetland Replacement Project, Armstrong County, PA
- Konieczny – Pennsylvania Wetland Replacement Project, Fayette County, PA

### **WATERFOWL IMPOUNDMENTS**

Mr. Clouser has extensive experience in the restoration and enhancement of wetlands for the benefit of waterfowl and waterbirds. From 2000 through 2007 he restored over 1,500 acres of wetlands in the Commonwealth of Pennsylvania alone and numerous other sites in the surrounding states.

- Akeley Swamp Hydrology Restoration Project, PA Game Commission, Warren County, PA
- Great Swamp Water Control Structure Replacement, U.S. Fish & Wildlife Service, NJ
- Raystown Wetland Restoration Project, U.S. Army Corps of Engineers, Huntingdon County, PA
- Golden Farm Waterfowl Impoundment, Orion L&WM, Cecil County, MD
- Sharp Farm Waterfowl Impoundments, Orion L&WM, Delaware Wildlands, DE
- Buffalo Creek Wetland Restorations, PA Game Commission, Washington County, PA



## **WETLANDS FOR THE PASSIVE TREATMENT OF ACID MINE DRAINAGE**

Mr. Clouser's has experience in designing passive treatment systems for coal mine drainage and has worked in every aspect of the development of a passive treatment system from water characterization through performing topographic surveys, preparing engineering designs and drawings, and providing quality assurance inspection for projects under construction.

- Jenners Passive Treatment System, Somerset County, PA
- Boswell Passive Treatment System, Somerset County, PA
- Gray Run Project, Cambria County, PA
- North Point Project, Bedford County, PA
- Cottagetown Project, Somerset County, PA
- Shaw Run Project, Blair County, PA
- Friedline Mine Project, Westmoreland County, PA

## **EDUCATIONAL WETLANDS**

Mr. Clouser has worked with schools and State Agencies to develop wetlands on their properties for educational purposes.

- Central Mountain Wetland, Keystone Central School District, Clinton County, PA
- Juniata Valley Wetland, Juniata Valley High School, Huntingdon County, PA
- Huntingdon Middle School Wetland, Huntingdon School District, Huntingdon, PA
- SGL-93 Freedom Wetlands, Pennsylvania Game Commission, Somerset County, PA

## **WILDLIFE HABITAT**

Mr. Clouser has worked with federal agencies and private landowners to assist them in developing wildlife habitat projects on their properties. Projects include:

- Raystown Lake Vegetation Study, U.S. Army Corps of Engineers, Huntingdon County, PA
- Arthur - Wildlife Management Plan, Arthur Wildlife Farm, Huntingdon County, PA
- Duck Harbor Hydrology Restoration, Wayne County, PA
- Raystown Lake Food Plots, U.S. Army Corps of Engineers, Huntingdon, PA

## **ADMINISTRATIVE**

Mr. Clouser's responsibilities have included program coordination, project management, development of contract documents, project engineer, and contract administration.

## **EDUCATION**

Associate of Science, Wildlife Technology – Pennsylvania State University

Bachelor of Arts, Biology – Edinboro University

Wetland Restoration and Enhancement – National Employee Development Center – USDA – Natural Resources Conservation Service

## **PUBLICATIONS**

Skovran, G.A. and C.R. Clouser. 1998. Design Considerations and Construction Techniques for Successive Alkalinity Producing Systems. (Paper presented at the 1998 Annual Meeting of the American Society for Surface Mining and Reclamation, St. Louis, Missouri, May 16 – 21, 1998)

