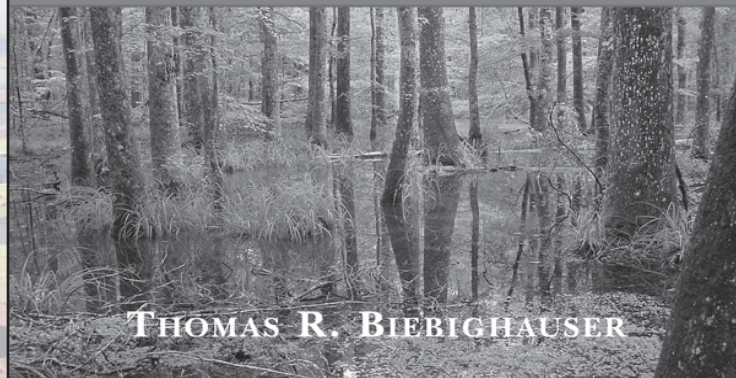




WETLAND DRAINAGE, RESTORATION, AND REPAIR



THOMAS R. BIEBIGHAUSER

ANNOUNCING A NEW BOOK

Have you observed a beautiful wetland and want to know how to build one of your own?

Is there a fallow piece of land you would like to change into a haven for fish and wildlife?

Could science education at your school profit from students building and investigating a naturally appearing wetland on site?

Or, did you work on a project that failed to hold water as planned and wish to learn how to repair it?

Have you seen pipes in the ground and aren't sure why they are there?

Are you confused over the complicated permitting requirements regarding floodplains, existing wetlands, endangered species, and archeology as they apply to wetland restoration?

Would you like to discover funding sources for your wetland project?

WETLAND DRAINAGE, RESTORATION, AND REPAIR

Wetland Drainage, Restoration and Repair answers all these questions in an easy-to-understand format useful to anyone with an interest in wetlands, whether professional, beginner, or somewhere in between the two.

Author Tom Biebighauser describes in detail the many techniques used to eliminate wetlands based on an all-inclusive examination of drainage manuals from the 1700's to present. You'll visit wetlands years after they were destroyed, often with those who drained them to uncover clues critical to locating restoration sites today. You'll meet professionals who drained wetlands all their lives, and learn of the highly effective techniques they used to obliterate these ecosystems. You'll see how filled wetlands are all around us; in fact, you may be living on one!

Understand how it took three or more generations of back-breaking work to drain wetlands, starting with the hand-diversion of streams and finishing with wholesale leveling by heavy equipment. See where trees and rocks buried by shovel deep in the ground over 150 years ago are still keeping wetlands dry today.

Every day people build wetlands that don't develop the desired hydrology, or hold water as planned, even though they've followed directions in previous guidebooks about wetland restoration. That's why this book is unique. Lifetimes of knowledge gained by land managers, contractors, and private landowners who regularly build wetlands are combined in this volume. Step-by-step detail is given on how to build various types of wetlands that look and function like natural ecosystems on widely different landscapes.

You'll discover how many restoration projects fail simply because the wetland was built on top of buried wood, rock, and clay structures installed hundreds of years earlier that continue to function. While so many books about wetlands offer only theory, this one gives clear direction, real life examples, and vivid photographs that support its contents.

See how wetlands can be built on mountains, hillsides, timber skid roads, and even in mined areas to improve fish and wildlife habitat. Learn how to build wetlands at schools and nature centers for use as outdoor classrooms. Discover how people just like you have jumped in with both boots to restore wetlands that failed over thirty years ago, and how you can do the same. You'll be amazed how natural these wetlands can look after only a few years.



Kindergarten Teacher Phyllis Allison and students investigate a small wetland she constructed by using a synthetic liner at Prestonsburg Elementary School.



Wetland created by blasting 20 years ago is on the Superior National Forest by Paul Tiné and Denny Fitzpatrick.

Wetland Drainage, Restoration and Repair is the most accurate and comprehensive book of its kind. It is the text of choice for land managers interested in learning how to recognize drained wetlands and how to restore them. The information presented in this book is suitable for professionals, as well as private landowners planning their first wetland project. The directions included are simple to follow and will result in success. Helpful organizations and websites are also listed.

Biebighauser draws from his own vast experience in building more than 950 wetlands in 10 States and one Canadian Province. As a wildlife biologist for the US Forest Service, he teaches hands-on wetland restoration workshops across North America, and works closely to help those who have built wetlands that failed. A three-time recipient of the National Taking Wing Award, over 31,600 copies of his first book *A Guide to Creating Vernal Ponds* have been distributed worldwide.

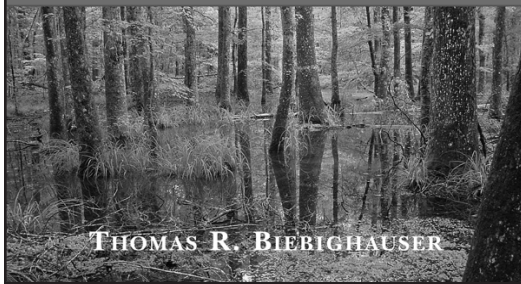
The volume answers the most asked questions received by the author at workshops taught throughout the USA and Canada, including the #1 query: how to obtain \$500,000 for your wetland restoration project. (Yes, it can be done!)

The only resource guide needed for anyone planning or building a wetland project is *Wetland Drainage, Restoration and Repair*.

Thomas R. Biebighauser, a wildlife biologist for the USDA Forest Service in the Daniel Boone National Forest, has taught wetlands restoration workshops across North America. He is a three-time recipient of the National Taking Wing Award.



WETLAND DRAINAGE,
RESTORATION, AND REPAIR



THOMAS R. BIEBIGHAUSER

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8 1/2 x 11
230 color photographs

“Biebighauser objectively walks us through the history of wetland drainage, revealing clever solutions to dealing with soggy soil. In the process, he sets the stage for later portions of the book, where we learn how to be equally clever about bringing water back onto the landscape.”

—Bruce A. Kingsbury

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