

RUTGERS

New Jersey Agricultural
Experiment Station

Wetlands Manual Training Workshop

Regionalized Water Budget Manual for Compensatory Wetland Mitigation Sites in New Jersey



**TWO
OFFERINGS**

August 19, 2008

(or)

August 26, 2008

Sponsored by the NJDEP Division of Land Use Regulation

Office of Continuing
Professional Education

**August 19, 2008 - EH0402CA09 (or)
August 26, 2008 - EH0402CB09**

Fees: \$145 before 8/8/08; \$155 after

This course provides an in-depth introduction to the recently published NJDEP **Regionalized Water-Budget Manual for Compensatory Wetland Mitigation Sites in New Jersey** that is designed to provide information to help improve the effectiveness of compensatory freshwater wetland mitigation projects in the State. Discover the best available sources of data for water budget modeling in New Jersey as well as proper methods for collecting on-site data. Learn how to effectively use the data to design a successful wetland mitigation project.

The focus of the manual is the evaluation of sites that may be selected to become wetlands in order to compensate for the destruction of natural wetlands - i.e. primarily the creation of a wetland system from an upland system. In particular, non-tidal wetlands are examined because their water-balances are not dominated by the regular ebb and flow of tides that is predictable and makes a tidally-influenced system relatively simpler to design in terms of hydrologic modeling.

This manual is designed to supplement existing manuals written for a national audience by helping wetland mitigation designers understand hydrologic conditions in various landscapes as well as locate and acquire hydrologic data relevant to project sites.

The use of this manual is required by the NJDEP Division of Land Use Regulation as part of the approved checklist entitled:

Checklist for Completeness: Creation, Restoration or Enhancement for a Freshwater Wetland Mitigation Proposal

**For more information and a detailed agenda, please visit:
www.cpe.rutgers.edu/njwaterbudgetmanual**

Program Topics

- Wetland Hydrology
- Physiographic Regions of NJ
- Hydrodynamics
- Water Source, Transportation
- Mitigation Site Selection
- Water Budget Development
- Wetland Types
- Hydrologic Functions
- Example of a Water Budget

Who Should Attend?

This course will provide definitive guidance to all professionals involved with the planning and design of wetland mitigation projects as well as benefit non-profit, non-governmental and local government planning agencies in the successful design of beneficial environmental restoration projects. Agencies that are subject to mitigation requirements through Department-issued permits such as private businesses and/or individuals as well as Federal, State, County and Municipal government agencies will also benefit through a better understanding of the complexity of providing mitigation and gaining assistance in long-term planning efforts.

Representatives from the United States Geological Survey and the New Jersey Department of Environmental Protection, Division of Land Use Regulation, Mitigation Unit will be instructing.

Registration Information

Online: www.cpe.rutgers.edu/njwaterbudgetmanual

Via Phone: (732) 932-9271 **Via Fax:** (732) 932-8726

By Mail: NJAES - Office of Continuing Professional Education; Rutgers University; 102 Ryders Lane; New Brunswick, NJ 08901

Breakfast and lunch are included in your registration fee.

Registrants may withdraw from the course with a full refund minus a \$35 processing fee provided our office is notified at least 3 business days prior to the course start. Beyond that time, registrants are responsible for the full registration fee.

Substitutions are permitted.

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NJ Wetland Manual Training Workshop

Choose One:

- August 19, 2008 - Course Code: EH0402CA09
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- \$145 before August 8, 2008
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