Preface

This is one in a series of bibliographies developed by the Water Quality Information Center at the National Agricultural Library in support of the U.S. Department of Agriculture's Conservation Effects Assessment Project (CEAP).

The purpose of CEAP is to study the environmental effects of conservation practices implemented through various U.S. Department of Agriculture conservation programs. CEAP will evaluate conservation practices and management systems related to nutrient, manure, and pest management; buffer systems; tillage; irrigation and drainage practices; wetland protection and restoration; and wildlife habitat establishment. More information about CEAP is available at www.nrcs.usda.gov/technical/nri/ceap/.

The current titles in this series are

- Environmental Effects of U.S. Department of Agriculture Conservation Programs
  Special Reference Brief 2004-01
- Implementing Agricultural Conservation Practices: Barriers and Incentives
  Special Reference Brief 2004-02
- Data and Modeling for Environmental Credit Trading
  Special Reference Brief 2004-03
- Agricultural Conservation Practices and Related Issues: Reviews of the State of the Art and Research Needs
  Special Reference Brief 2004-04

Each of the documents, as well as bibliographies on similar topics, is accessible online from the Water Quality Information Center at www.nal.usda.gov/wqic/.

The center gratefully acknowledges the following organizations who granted permission to use their citations and/or abstracts in these bibliographies.

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In addition, support from the Natural Resources Conservation Service for the development of these bibliographies is greatly appreciated.

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About This Bibliography

This bibliography is a guide to literature on the data and modeling requirements for environmental credit trading. Environmental credit trading is an approach to environmental protection that uses market-based mechanisms to efficiently allocate emission or pollutant reductions among sources with different marginal control costs. The purpose of this bibliography is to help people with an interest in environmental credit trading and agriculture become better informed about the current state of data acquisition and use of simulation models in this emerging field.

This bibliography has two sections. The first section contains citations to the limited literature currently available on this topic, including data and modeling related to wetland mitigation banking. Also included are citations where the subject is not agriculture, but the information in the document may have applicability to agriculture.

There are 40 citations with abstracts (when available) in the first section. Citations were found through literature searches of the AGRICOLA database, produced by the National Agricultural Library, and several commercial bibliographic databases. In addition, Water Quality Information Center staff created citations for documents that were located by various other means. Documents cited were published from 1993 through 2003.

The second section contains 65 citations with abstracts (when available) on the general topic of environmental credit trading and related economic incentives. All these citations are from the AGRICOLA database and cover documents published from 1981 through 2003. Water is the primary environmental focus of these citations.

URLs are provided for online documents that are freely available. The inclusion or omission of a particular citation does not imply endorsement or disapproval.

To locate information on a specific topic, use the subject index beginning on page 39. An author index is also available beginning on page 49.

To obtain a specific document, please contact your local library. Information on how to obtain documents from the National Agricultural Library can be found at www.nal.usda.gov/ddsb/.