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Water Quality Information Center of the National Agricultural Library
Agricultural Research Service, U.S. Department of Agriculture

Constructed Wetlands Bibliography, Part I: Agricultural Nonpoint Source Pollution

This file, "Constructed Wetlands Bibliography, Part I: Agricultural Nonpoint Source Pollution" is one section of a seven-part constructed wetlands bibliography on using constructed wetlands for wastewater treatment. The bibliography was compiled by United States Department of Agriculture Staff from the Ecological Sciences Division of the Natural Resources Conservation Service, formerly the Soil Conservation Service, and the Water Quality Information Center at the National Agricultural Library. The complete bibliography can be accessed as either a single large (450K) file containing more than 600 citations or in parts organized by topic.

To locate a publication cited in this bibliography, please contact your local, state, or university library. If you are unable to locate a particular publication, your library can contact the National Agricultural Library (see instructions given at the end of this file).

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http://www.nal.usda.gov/wqic/Constructed_Wetlands_all/index.html

AGNPS
CATEGORY AGNPS
SUBCATEGOR

TITLE Constructed wetlands to control nonpoint source pollution.
AUTHOR Wengrzynek, R.L.
SOURCE Patent application. Report No. PAT-APPL-7-764 924.
PUBLISHER
PAGES
DATE 1991, September 24
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR

TITLE Evaluating the role of created and natural wetlands in
controlling nonpoint source pollution.
AUTHOR Olson, R.K.
SOURCE Ecological Engineering. 1: xi-xv.
PUBLISHER
PAGES
DATE
CALLNUM IPS 27176
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR

TITLE Evaluation of wetland buffer areas for treatment of pumped
agricultural drainage water.
AUTHOR Chescheir, G. M., R. W. Skaggs and J. W. Gilliam.
SOURCE TRANS ASAE Vol. 35, No. 1, Jan/Feb. 1992, p175-182.
PUBLISHER
PAGES pp 175-182
DATE 1992
CALLNUM 290.9 Am32T
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR

TITLE Introduction to nonpoint source pollution in the United
States and prospects for wetland use.
AUTHOR Baker, L.A.
SOURCE Ecological Engineering. 1:1-26.
PUBLISHER
PAGES
DATE 1992
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR

TITLE Landscape design and the role of created, restored, and
natural riparian wetlands in controlling nonpoint source
pollution.
AUTHOR Mitsch, W.J.
SOURCE Ecological Engineering. 1: 27-47.
PUBLISHER

PAGES
DATE
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR

TITLE Potential role of marsh creation in restoration of hypertrophic lakes.
AUTHOR Lowe, E.F., D.L. Stites and L.E. Battoe.
SOURCE Constructed Wetlands for Wastewater Treatment: Municipal, Industrial and Agricultural.
PUBLISHER Chelsea, MI: Lewis Publishers, Inc.
PAGES pp 710-18
DATE 1989
CALLNUM TD 756. 5 C66
ANNOTATION The authors propose the use of wetlands for the restoration of a hypertrophic lake. The lake water laden with high concentration of nutrients would pass through the wetland system many times. The goals of this approach are to maximize power (nutrient quantity removed per unit of time) and capacity (nutrients permanently stored) rather than efficiency (nutrient fraction removed in a single pass.)

CATEGORY AGNPS
SUBCATEGOR

TITLE Strategy for evaluating the potential of constructed wetlands for mitigation of non-point source agricultural runoff.
AUTHOR Rodgers, J.H., K. Mauermann and A. Dunn.
SOURCE Paper No. 331. Society for Environmental Toxicology and Chemistry '90 - Global Environmental Issues: Challenges for the 90's
PUBLISHER
PAGES
DATE
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR

TITLE The use of constructed wetland systems in treating agricultural runoff: 1990 data summary.
AUTHOR Higgins, M.
SOURCE Report to the Dept. of Civil Engineering, Univ. of Maine,

Orono, ME.
PUBLISHER
PAGES
DATE 1991
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR

TITLE Using constructed wetlands to control agricultural nonpoint
 source pollution.
AUTHOR Wengrzynck, R.J. and C.R. Terrell.
SOURCE Proc. Int. Conf. Use of Constructed Wetlands in Water
 Pollution Control, 24-28 September, 1990, Churchhill
 College, Cambridge, UK.
PUBLISHER Oxford, UK: Pergamon Press
PAGES
DATE 1990
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR aesthetics

TITLE Aesthetic implementation of nonpoint source controls.
AUTHOR Roesner, L.A.
SOURCE Nonpoint Pollution: 1988-Policy, Economics, Management, and
 Appropriate Technology.
PUBLISHER Bethesda, MD: Am. Water Resources Assc.
PAGES pp. 213-233
DATE 1988
CALLNUM TC 401 A% no. 88-4
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR ancillary benefits

TITLE Ancillary benefits and potential problems with the use of
 wetlands for nonpoint source pollution control.
AUTHOR Knight, R.L.
SOURCE Ecological Engineering. 1: 97-113.
PUBLISHER
PAGES
DATE 1992
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR case studies--midwestern USA (OH)

TITLE Wetlands for the control of nonpoint source pollution:
Preliminary feasibility study for swan creek watershed of
northwestern Ohio.
AUTHOR Mitsch, W.J.
SOURCE
PUBLISHER Columbus, OH: Ohio Environmental Protection Agency,
PAGES
DATE 1990
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR Design

TITLE Designing constructed wetlands systems to treat agricultural
nonpoint source pollution.
AUTHOR Hammer, D.A.
SOURCE Ecological Engineering. 1:49-82.
PUBLISHER
PAGES
DATE 1992
CALLNUM TD 153 .E26
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR ecology

TITLE Long-term impacts of agricultural runoff in a Louisiana
swamp forest.
AUTHOR Day, J.W., Jr. and G.P. Kemp.
SOURCE Ecological Considerations in Wetlands Treatment of Municipal
Wastewaters.
PUBLISHER New York: Van Nostrand Reinhold
PAGES p. 317.
DATE 1985
CALLNUM QH 545. 549E3
ANNOTATION An analysis of the long-term effects from nitrogen and
phosphorus from agricultural runoff on a swamp "crayfish farm"
was performed. This paper presents the results which indicate
that the swamp can serve as a long-term sink for significant
quantities on nitrogen and phosphorus and that the burial in
sediments and denitrification are mechanisms for permanent
losses.

CATEGORY AGNPS
SUBCATEGOR hydrology

TITLE The impact of wetlands on the movement of water and nonpoint
pollutants from agricultural watersheds.

AUTHOR Dickerman, J.A., A.J. Stuart and J.C. Lance.

SOURCE USDA-ARS-Water Quality and Watershed Research Laboratory,
Durant, OK

PUBLISHER
PAGES
DATE 1985, Feb.
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR policy

TITLE NPSP abatement program for the lagoon of Venice.

AUTHOR Bendoricchio, G.

SOURCE Nonpoint Pollution: 1988-Policy, Economy, Management, and
Appropriate Technology."

PUBLISHER Bethesda, MD: American Water Resources Assc.

PAGES pp. 249-260

DATE 1988

CALLNUM TC 401 A5 no.88-4

ANNOTATION

CATEGORY AGNPS
SUBCATEGOR policy

TITLE Regulations and policies relating to the use of wetlands for
nonpoint source pollution control.

AUTHOR Fields, S.

SOURCE Ecological Engineering. 1: 135-41.

PUBLISHER

PAGES 135-41

DATE 1992

CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR policy

TITLE The role of wetland water quality standards in nonpoint
source pollution control strategies.

AUTHOR Robb, D.M.

SOURCE Ecological Engineering. 1: 143-48.
PUBLISHER
PAGES
DATE
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR policy/institutional aspects

TITLE Federal programs for wetland restoration and use of wetlands
for nonpoint source pollution control.
AUTHOR Whitaker, G. and C.R. Terrell.
SOURCE Ecological Engineering. 1: 157-70.
PUBLISHER
PAGES
DATE
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR policy/institutional aspects

TITLE Fiscal year 1990 program report.
AUTHOR Maine Environmental Studies Center
SOURCE NTIS # PB91-242834
PUBLISHER
PAGES 36p.
DATE 1991
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR policy/institutional aspects

TITLE Research and information needs related to nonpoint source
pollution and wetlands in the watershed: an EPA perspective.
AUTHOR Ethridge, B.J. and R.K. Olson.
SOURCE Ecological Engineering, 1:149-156
PUBLISHER
PAGES
DATE 1992
CALLNUM IPS 27176
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR policy/institutional aspects--research needs

TITLE Recommendations for research to develop guidelines for the
use of wetlands to control rural nonpoint source pollution.
AUTHOR Van der Valk, A.G. and R.W. Jolly.
SOURCE Ecological Engineering. 1: 115-34.
PUBLISHER
PAGES
DATE 1992
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR pollutant removal

TITLE The efficiency of constructed wetland-pond systems in
reducing sediment and nutrient discharges from agricultural
watersheds.
AUTHOR White, G.K.
SOURCE Fiscal Year 1990 Report. Maine Univ. at Orono.
Environmental Studies Center.
PUBLISHER Available from NTIS, Springfield, VA 22161, PB91-242834.
USGS Project No. G1566-03.
PAGES
DATE 1991
CALLNUM
ANNOTATION

CATEGORY AGNPS
SUBCATEGOR pollutant removal

TITLE The efficiency of constructed wetlands-pond systems in the
reduction of sediment and nutrient discharges from
agricultural watersheds.
AUTHOR Jolley, J.W.
SOURCE Thesis (M.S.) in Civil Engineering, University of Maine,
1990.
PUBLISHER
PAGES
DATE 1990
CALLNUM
ANNOTATION

NOTE: THE FOLLOWING CITATIONS ARE AN UPDATE, AS OF OCTOBER 24, 1995, TO THE
ORIGINAL DOCUMENT AND THEREFORE ARE IN A DIFFERENT FORMAT.

1 NAL Call No.: TD420.A1P7
Constructed wetlands for river water quality improvement.

Kadlec, R. H.; Hey, D. L.

Water science and technology: a journal of the International Association on Water Pollution Research and Control v.29, p.159-168. (1994).

In the series analytic: Wetlands systems in water pollution control / edited by H.J. Bavor and D.S. Mitchell. Australia.

Descriptors: wetlands; water quality; sediment; phosphorus; nitrogen; removal; atrazine; nutrients; hydrology; water pollution; watersheds; illinois; non point source pollution; artificial wetlands

2 NAL Call No.: TD223.C73-1993

Created and natural wetlands for controlling nonpoint source pollution. Olson, R. K.; United States.Environmental Protection Agency. Office of Research and Development. and Watersheds. Boca Raton, Fla. : C.K. Smoley, c1993. v, 216 p. : ill., maps. "U.S. EPA, Office of Research and Development, and Office of Wetlands, Oceans, and Watersheds."

Descriptors: Water quality management United States; Water Pollution-United States; Wetland conservation-United States; Constructed wetlands-United States

3 NAL Call No.: TD420.A1P7

Planted soil filter--a wastewater treatment system for rural areas. Netter, R.

Water science and technology: a journal of the International Association on Water Pollution Research and Control v.28, p.133-140. (1993). Proceedings of the 2nd International Conference on, "Design and Operation of Small Wastewater Treatment Plants," June 28-30, 1993, Trondheim, Norway / edited by H. Odegaard.

Descriptors: waste water treatment; water systems; rural areas; wetlands; filter beds; aquatic plants; biochemical oxygen demand; chemical oxygen demand; purification; nutrients; particle size distribution; constructed wetlands

4 NAL Call No.: 57.8-C734

Treating wastewater in constructed wetlands. Hauck, R. D.

BioCycle. Emmaus, Pa. : J.G. Press. Sept 1992. v. 33 (9) p. 72.

Descriptors: waste water treatment; wetlands; simulation; applied research; water pollution; alabama

5 NAL Call No.: 290.9-Am32P

Usage of drainmod-creams in evaluating constructed wetlands.

Shirmohammadi, A.; Cronk, J. K.

Paper American Society of Agricultural Engineers. St. Joseph, Mich. : American Society of Agricultural Engineers, Summer 1994. (94-1075/94-2020) 15 p.

Paper presented at the "1994 International Summer Meeting sponsored by The American Society of Agricultural Engineers," June 19-22, 1994, Kansas City, Missouri.

Descriptors: wetlands; denitrification

TITLE: NAL Document Delivery Information
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February 1995

United States Department of Agriculture
National Agricultural Library
Public Services Division
Document Delivery Services Branch
Beltsville, Maryland 20705-2351

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DOCUMENT DELIVERY SERVICE -- Photocopies of articles are available for a fee. Make requests through local public, academic, or special libraries. The library will submit a separate interlibrary loan form for each article or item requested. If the citation is from an NAL database (CAIN/AGRICOLA, "Bibliography of Agriculture," or the NAL Catalog) and the call number is given, put that call number in the proper block on the request form. Willingness to pay charges must be indicated on the form. Include compliance with copyright law or a statement that the article is for "research purposes only" on the interlibrary loan form or letter. Requests cannot be processed without these statements. Please read copyright notice below.

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REQUESTS -- Submit on the American Library Association (ALA) or the International Federation of Library Associations and Institutions (IFLA) interlibrary loan form or via electronic mail or telefacsimile (see over for more details). Include the complete name of the person authorizing the request on each form; the standard bibliographic source which lists the title as owned by NAL; and the call number if the citation is from an NAL database (CAIN/AGRICOLA, "Bibliography of Agriculture," or the NAL catalog).

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the standard bibliographic source which lists the title as owned by NAL; and the call number if the citation is from an NAL database(CAIN/AGRICOLA, "Bibliography of Agriculture", or the NAL catalog).

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- * Duplication of NAL-owned microfiche - \$5.00 for the first fiche and \$.50 for each additional fiche per title.

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February 1995

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	Interlibrary Loan Department				
	Heartland, IA 56789				
	Agriculture				
	Dr. Smith Faculty Ag School				
	Canadian Journal of Soil Science 1988 v 68(1): 17-27				
	DeJong, R. Comparison of two soil-water models under semi-arid growing				
	conditions				
	Ver: AGRICOLA	Remarks: Not available at AU or in region.			
	NAL CA: 56.8 C162	Auth: C. Johnson	CCL	Maxcost: \$15.00	
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3. Provide authorizing official's name (request will be rejected if not included).
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37 C.F.R. 201.14

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J. R. Makuch /USDA-ARS-NAL-WQIC/wqic@ars.usda.gov