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Agricultural Research Service, U.S. Department of Agriculture

Agricultural Perspectives on Water Resource Management in the Americas (I)

January 1985 - July 1993

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AGRICULTURAL PERSPECTIVES ON WATER RESOURCE MANAGEMENT
IN THE AMERICAS

1 NAL Call. No.: S625.P4A13 1988
5 anos de conservacion de suelos con los campesinos de los
andes peruanos autoevaluacion del Programa Nacional de
Conservacion de Suelos y Aguas en Cuencas Hidrograficas [Five
years of soil conservation with the peasants of the Peruvian
Andes].. Cinco anos de conservacion de suelos con los
campesinos de los andes peruanos
Programa Nacional de Manejo de Cuencas y Conservacion de
Suelos (Peru), Peru, Ministerio de Agricultura
Lima? : Vice Ministerio de Recursos Naturales y Desarrollo
Rural, Programa Nacional de Manejo de Cuencas y Conservacion
de Suelos : Consejo Nacional de Ciencia y Tecnologia
(CONCYTEC), ; 1988.
234 p. : ill. ; 21 cm. At head of title: Ministerio de
Agricultura. Includes bibliographical references.

Language: Spanish

Descriptors: Soil conservation; Watershed management; Water
conservation

2 NAL Call. No.: HD1696.B84N647
Acoes do DNOCS no Nordeste perspectivas [Activities of the
DNOCS in the Northeast].
Borges, Uirande Augusto
Brazil, Departamento Nacional de Obras contra as Secas
Brasilia : MINTER : Departamento Nacional de Obras Contra as
Secas ; ; 1985. 17 p., 48 leaves : ill. ; 21 cm. Cover title.
"Visita da escola superior de guerra -- 29 de Julho de 1985;
palestra do Sr. Diretor Geral, Erg. Uirande Augusto Borges:
"A. Includes bibliographical references.

Language: Portuguese

Descriptors: Brazil, Northeast; Economic policy; Water
resources development; Brazil, Northeast

3 NAL Call. No.: HC79.E5N3
Agency autonomy in transboundary resource management: the
United States Section of the International Boundary and Water
Commission, United States and Mexico.
Mumme, S.P.; Moore, S.T.
Albuquerque, N.M. : University of New Mexico School of Law;
1990. Natural resources journal v. 30 (3): p. 661-684; 1990.
Includes references.

Language: English

Descriptors: U.S.A.; Mexico; Texas; Water policy; Water management; Boundaries; International cooperation; Federal government; Public agencies; International organizations; Organizational development; Administration; Politics

4

NAL Call. No.: TD427.A35A37

Agricultural chemicals and groundwater protection emerging management and policy : proceedings of a conference held October 22-23, 1987, St. Paul, Minnesota.

Freshwater Foundation

Navarre, Minn., U.S.A. (Box 90, Navarre 55392-0090) : The Foundation,; 1988. iii, 235 p. : ill. ; 28 cm. Includes bibliographical references.

Language: English

Descriptors: Agricultural chemicals; Environmental aspects; Congresses; Water, Underground; Pollution; Congresses; Water quality management; Government policy; Congresses; Agricultural chemicals industry; Congresses

5

NAL Call. No.: TD427.A35A372

Agricultural chemicals and groundwater protection suggested directions for consideration and action : recommendations from the conference, Agricultural chemicals and groundwater protection : emerging management and policy, October 1987, St. Paul, Minnesota.

Freshwater Foundation, United States, Soil Conservation Service Navarre, Minn. : The Foundation,; 1988.

10 p. ; 28 cm. Cover title.

Language: English

Descriptors: Agricultural chemicals; Environmental aspects; Congresses; Water, Underground; Pollution; Congresses; Agricultural pollution; Congresses

6

NAL Call. No.: 412.9 N814

Agricultural chemicals and prairie pothole wetlands: meeting the needs of the resource and the farmer--Canadian perspective.

Forsyth, D.J.

Washington, D.C. : Wildlife Management Institute; 1989.

Transactions of the ... North American Wildlife and Natural Resources Conference (54th): p. 59-66; 1989. Includes references.

Language: English

Descriptors: Canada; Pollution by agriculture; Fertilizers; Pesticide residues; Waterfowl; Wildlife management; Wetlands;

Hemiptera; Insect control

7 NAL Call. No.: 412.9 N814
Agricultural chemicals and prairie pothole wetlands: meeting the needs of the resource and the farmer--U.S. perspective. Grue, C.E.; Tome, M.W.; Messmer, T.A.; Henry, D.B.; Swanson, G.A.; DeWeese, L.R. Washington, D.C. : Wildlife Management Institute; 1989. Transactions of the ... North American Wildlife and Natural Resources Conference (54th): p. 43-58. ill., maps; 1989. Literature review. Includes references.

Language: English

Descriptors: U.S.A.; Pollution by agriculture; Fertilizers; Pesticide residues; Waterfowl; Wildlife management; Wetlands; Hemiptera; Insect control

8 NAL Call. No.: aS548.75.U5A37
Agricultural chemicals and the environment working papers of the USDA Working Group on Agricultural Chemicals and the Environment. United States, Dept. of Agriculture, Working Group on Agricultural Chemicals and the Environment Washington, D.C. : U.S. Dept. of Agriculture,; 1989. v, 281 p. : ill. ; 28 cm. Cover title. June 1989. Includes bibliographical references.

Language: English

Descriptors: Agricultural chemicals; Agricultural pollution

9 NAL Call. No.: TD227.05A37
Agricultural chemicals and water quality in Ontario proceedings of a workshop sponsored by the Ontario Water Management Research and Services Committee (O.W.M.R.S.C.) : November 17-18, 1988, Kitchener, Ontario. Stone, J. A.; Logan, L. L. Ontario Water Management Research and Services Committee Ontario?: s.n., 1988? (Windsor, Ont. : Herald Press); 1989. 116 p. : ill. ; 22 cm. Includes bibliographies.

Language: English

Descriptors: Water; Pollution; Ontario; Congresses; Agricultural chemicals; Environmental aspects; Ontario; Congresses; Water quality management; Ontario; Congresses

10 NAL Call. No.: S589.I57 1988
Agricultural ecology and environment : proceedings of an International Symposium on Agricultural Ecology and Environment Padoua, Italy, 5-7 April 1988. International Symposium on Agricultural Ecology and

Environment 1988 : Padua, Italy.
Amsterdam ; New York : Elsevier,; 1989.
viii, 636 p. : ill. ; 27 cm. Reprinted from Agricultural
Ecosystems and Environment, vol. 27, nos. 1-4 (1989).
Includes bibliographical references and indexes.

Language: English

Descriptors: Agricultural ecology; Congresses; Agriculture;
Congresses; Agricultural pollution; Congresses; Agricultural
conservation; Congresses

11 NAL Call. No.: A00008
Agricultural non-point pollution: a regulatory dilemma.
Carriker, R.R.; Boggess, W.G.
Knoxville, Tenn. : Tennessee Valley Authority; 1988.
Forum for applied and public policy v. 3 (2): p. 63-70; 1988.
Includes references.

Language: English

Descriptors: U.S.A.; Pollution by agriculture; Water
pollution; Legislation; Regulations; Educational programs;
Fiscal policy

12 NAL Call. No.: 56.8 J822
Agricultural nonpoint pollution control: a time for sticks?.
Cook, K.
Ankeny, Iowa : Soil Conservation Society of America; 1985 Jan.
Journal of soil and water conservation v. 40 (1): p. 105-106;
1985 Jan.

Language: English

Descriptors: Pollution by agriculture; Control; Programs;
Regulations; Resource management

13 NAL Call. No.: 56.8 J822
Agricultural nonpoint pollution control: voluntary or
mandatory. Epp, D.J.; Shortle, J.S.
Ankeny, Iowa : Soil Conservation Society of America; 1985 Jan.
Journal of soil and water conservation v. 40 (1): p. 111-114;
1985 Jan. Includes 8 references.

Language: English

Descriptors: U.S.A.; Pollution by agriculture; Political
attitudes

14 NAL Call. No.: TD223.P39
Agricultural nonpoint source pollution in the Midwest.
Walker, R.D.
Washington, D.C. : U.S. Environ Protection Agency, Office of

Water Regul and Standards; 1985.

Perspectives on nonpoint source pollution : proceedings of a national conference, Kansas City, Missouri, May 19-22, 1985. p. 497-498; 1985.

Language: English

Descriptors: Great basin and pacific slope; North central states of U.S.A.; Water pollution; Pollution by agriculture; Erosion control; Tillage; Agricultural chemicals; Pollutants

15

NAL Call. No.: 292.9 AM34

Agricultural pollution control: implications from the Rural Clean Water Program.

Young, C.E.; Magleby, R.S.

Minneapolis, Minn. : American Water Resources Association;

1987 Aug. Water resources bulletin v. 23 (4): p. 701-707; 1987 Aug. Includes references.

Language: English

Descriptors: Water pollution; Pollution by agriculture; Water composition and quality; Cost benefit analysis; Cost effectiveness analysis; Program evaluation

16

NAL Call. No.: Z5862.2.W3G7

Agricultural pollution of groundwater bibliography-in-brief, 1985-1987. Grenfell, Adrienne C.

Library of Congress, Congressional Research Service

Washington, D.C. : Congressional Research Service, Library of Congress, [1988?]; 1988.

9 p. ; 28 cm. Cover title. "CRS report for Congress"--Cover. January 1988. 88-29 L.

Language: English; English

Descriptors: Agricultural chemicals; Environmental aspects; United States; Bibliography; Water, Underground; Pollution; United States; Bibliography

17

NAL Call. No.: S494.5.W3A4 1985

Agricultural water management proceedings of a Symposium on Agricultural Management Arnhem/Netherlands/18-21 June 1985.

Wijk, A. L. M. van; Wesseling, J.

Commission of the European Communities, Land and Water Use Management Programme, Commission of the European Communities, Coordination of Agricultural Research

Symposium on Agricultural Water Management 1985 : Arnhem, Netherlands. Rotterdam ; Boston : A.A. Balkema, ; 1986.

vii, 325 p. : ill., map ; 25 cm. (EUR ; 10055 en). Sponsored by the Commission of the European Communities, Directorate-General for Agriculture, Coordination of Agricultural Research, as part of the Land and Water Use and Management Programme. Includes bibliographies.

Language: English

Descriptors: Water in agriculture; Congresses; Water quality management; Congresses; Land use; Management; Congresses; Water use; Management; Congresses; Irrigation; Congresses

18 NAL Call. No.: TD227.05A37
Agricultural water quality perspectives in Ontario. I.
Singer, S.N.
Ontario? : s.n., 1988? :.; 1988.
Agricultural chemicals and water quality in Ontario : proc of a workshop sponsored by the Ontario Water Management Res and Services Committee : Nov 17-18, 1988, Kitchener, Ontario / J.A. Stone and L.L. Logan (editors). p. 4-16; 1988.

Language: English

Descriptors: Ontario; Water pollution; Pollution by agriculture; Water supplies; Polluted water; Control methods; Government organizations

19 NAL Call. No.: 275.29 F22
Agriculture and ground water quality: challenges and opportunities for public policy education.
Abdalla, C.W.
Oak Brook, Ill. : Farm Foundation; 1987.
Increasing understanding of public problems and policies. p. 133-142; 1987. Includes references.

Language: English

Descriptors: U.S.A.; Agricultural chemicals; Groundwater; Water composition and quality; Land use; Contamination; Public relations

20 NAL Call. No.: HD1755.A44
Agriculture and the environment.
Phipps, Tim; Crosson, Pierre R.; Price, Kent A.
National Center for Food and Agricultural Policy (U.S.)
Conference on Agriculture and the Environment 1986 : Resources for the Future. Washington, D.C. : National Center for Food and Agricultural Policy, Resources for the Future,; 1986.
xvii, 298 p. : ill. ; 26 cm. On cover: The National Center for Food and Agricultural Policy annual policy review, 1986.
Based on papers and discussion at a Conference on Agriculture and the Environment sponsored by the National Center for Food and Agricultural Policy held in April 1986 at Resources for the Future, Washington, D.C. Includes bibliographies.

Language: English; English

Descriptors: Agricultural conservation; Government policy; United States; Congresses; Agricultural pollution; Government

policy; United States; Congresses; Agricultural ecology;
Government policy; United States; Congresses; Agricultural
innovations; Environmental aspects; Government policy; United
States; Congresses; Pesticides; Environmental aspects;
Government policy; United States; Congresses; Food
contamination; Government policy; United States; Congresses;
Soil conservation; Government policy; United States;
Congresses; Environmental policy; United States; Congresses

21 NAL Call. No.: HD1755.A44
Agriculture and the environment: an overview.
Phipps, T.T.; Crosson, P.R.
Washington, D.C. : National Center for Food and Agric Policy,
Resources for the Future; 1986.
Agriculture and the environment / Tim T. Phipps, Pierre R.
Crosson, and Kent A. Price, editors. p. 3-31; 1986. Paper
presented at a conference on "Agriculture and the
Environment," April, 1986, Washington, D.C. Includes
references.

Language: English

Descriptors: U.S.A.; Pollution by agriculture; Agricultural
policy; Environmental policy; Decentralization; Agricultural
structure; Structural change; Agricultural production; Farm
inputs; Pesticides; Groundwater pollution; Sediment pollution;
Erosion; Nutrients; Runoff water; Water composition and
quality; Public opinion

22 NAL Call. No.: 100 T31M
Agriculture and water quality in the Great Plains: status and
recommendations. College Station, Tex. : The Station; 1992
Mar.
Miscellaneous publication MP - Texas Agricultural Experiment
Station (1738): 24 p.; 1992 Mar. Includes references.

Language: English

Descriptors: Northern plains states of U.S.A.; Southern plains
states of U.S.A.; Water quality; Water pollution; Agricultural
production; Runoff; Erosion; Control

23 NAL Call. No.: HD101.S6
Agriculture and water quality: old problem, new urgency.
Carriker, R.; Purvis, A.
Experiment, Ga. : The Association; 1990 Jul.
Southern journal of agricultural economics - Southern
Agricultural Economics Association v. 22 (1): p. 27-32, 41-46;
1990 Jul. Paper presented at the annual meeting of the
Southern Agricultural Economics Association, February 3-7,
1990, Little Rock, Arkansas. Discussion by H.P. Mapp, p.
41-46. Includes references.

Language: English

Descriptors: U.S.A.; Drinking water; Groundwater; Water composition and quality; Pollution by agriculture; Pesticide residues; Universities; Usda; Roles; Resolution

24 NAL Call. No.: HC79.W32A37
Agriculture and water quality: where are we and why?.
Libby, L.W.; Boggess, W.G.
Boulder, Colo. : L. Rienner; 1990.
Agriculture and water quality : international perspectives /
edited by John B. Braden and Stephen B. Lovejoy. p. 9-37;
1990. Includes references.

Language: English

Descriptors: U.S.A.; Pollution by agriculture; Water composition and quality; Environmental policy

25 NAL Call. No.: HD101.S6
Agriculture as the problem: new agendas and new opportunities.
Batie, S.S.
Experiment, Ga. : The Association; 1988 Jul.
Southern journal of agricultural economics - Southern
Agricultural Economics Association v. 20 (1): p. 1-11; 1988
Jul. Includes references.

Language: English

Descriptors: U.S.A.; Agricultural policy; Political power; Structural change; Environmental pollution; Agricultural colleges; Groundwater pollution; Pollution by agriculture; Planning of research; Extension activities

26 NAL Call. No.: HD1751.C45
Agriculture as the problem: the case of groundwater contamination. Batie, S.S.
Merrifield, Va. : American Agricultural Economic Association; 1988. Choices : the magazine of food, farm and resource issues v. 3 (3): p. 4-7. ill; 1988. Includes references.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Pollution by agriculture; Water composition and quality; Environmental policy; Water policy; Agricultural chemicals

27 NAL Call. No.: 56.8 J822
Agriculture nonpoint pollution control: an assessment.
Braden, J.B.; Uchtmann, D.L.
Ankeny, Iowa : Soil Conservation Society of America; 1985 Jan.
Journal of soil and water conservation v. 40 (1): p. 23-26.
ill; 1985 Jan. Includes 33 references.

Language: English

Descriptors: U.S.A.; Pollution by agriculture; Water pollution; Environmental policy

28 NAL Call. No.: 57.8 S04
Agriculture not sole culprit.
Clark, E.H. II; Richardson, N.B.
Peoria, Ill. : Solutions Magazine; 1986 Jul.
Solutions v. 30 (5): p. 32-36; 1986 Jul. Includes references.

Language: English

Descriptors: U.S.A.; Water pollution; Groundwater; Pollution by agriculture; Nitrates

29 NAL Call. No.: TD223.U57
Agriculture USDA needs to better focus its water quality responsibilities : report to the Chairman, Environment, Energy, and Natural Resources Subcommittee, Committee on Government Operations, House of Representatives.. USDA needs to better focus its water quality responsibilities United States. General Accounting Office; United States, Congress, House, Committee on Government Operations, Environment, Energy, and Natural Resources Subcommittee
Washington, DC : The Office,; 1990; GA 1.13:RCED-90-162.
50 p . ; 28 cm. Cover title. July 1990. GAO/RCED-90-162.
"B-239481"--p.[1].

Language: English; English

Descriptors: Agricultural wastes; Water, Underground; Water quality management

30 NAL Call. No.: TD201.W92
Anaerobics attack tropical wastewaters.
London : T. Telford Ltd; 1988 Aug.
World water v. 11 (7): p. 31. ill; 1988 Aug.

Language: English

Descriptors: Netherlands; Colombia; Waste waters; Waste water treatment; Anaerobic digesters; Design; Development projects; Construction technology; Maintenance; Performance

31 NAL Call. No.: GB701.W375 no.90-4036
Analysis of ground-water flow in the A-sand aquifer at Paramaribo, Suriname, South America.. Analysis of ground water flow in the A-sand aquifer at Paramaribo, Suriname, South America
Hutchinson, C. B.
Organization of American States, Geological Survey (U.S.)
Tallahassee, Fla. : Dept. of the Interior, U.S. Geological

Survey ; [Denver, Colo. : Books and Open-File Reports Section distributor],; 1990; I 19.42/4:90-4036.
iv, 65 p. : ill., maps ; 28 cm. (Water-resources investigations report ; 90-4036). Includes bibliographical references (p. 30).

Language: English; English

Descriptors: Groundwater flow

32 NAL Call. No.: 55.9 IN8A
Analysis of the relation intensity-duration-frequency of heavy rains for Ribierao Preto.
Vieira, D.B.; Souza, C.Z. de
New Delhi : The Commission; 1985 Jan.
ICID bulletin - International Commission on Irrigation and Drainage v. 34 (1): p. 49-55, 66. ill; 1985 Jan.

Language: English

Descriptors: Brazil; Rain; Duration; Drainage; Soil conservation

33 NAL Call. No.: 281.9 P942
Animal agriculture and the environment: the human context of decision making. Wu, L.S.; Molnar, J.J.
Tuskegee, Ala. : Tuskegee University; 1989.
Proceedings of the ... Annual Professional Agricultural Workers Conference (47th): p. 189-196; 1989. In the series analytic: Outreach to the Rural Disadvantaged: issues and strategies for the 21st century / edited by N. Baharanyi, R. Zabawa, W. Hill. Meeting held December 3-5, 1989, Tuskegee, Alabama. Includes references.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Animal wastes; Environmental degradation; Water quality; Environmental protection

34 NAL Call. No.: HD1694.A3M85
Apportioning groundwater beneath the U.S.-Mexico border obstacles and alternatives.
Mumme, Stephen P.
San Diego : Center for U.S.-Mexican Studies, University of California, San Diego,; 1988.
vii, 54 p. : ill. ; 23 cm. (Research report series (University of California, San Diego. Center for U.S.-Mexican Studies) ; 45.). Bibliography: p. [47]-54.

Language: English

Descriptors: Water, Underground; Mexican-American Border Region; Water-supply; Mexican-American Border Region; Water-

rights; Mexican-American Border Region

35 NAL Call. No.: TD223.P39
Appropriate designs for documenting water quality improvements from agricultural NPS control programs.
Spooner, J.; Maas, R.P.; Dressing, S.A.; Smolen, M.D.; Humenik, F.J. Washington, D.C. : U.S. Environ Protection Agency, Office of Water Regul and Standards; 1985.
Perspectives on nonpoint source pollution : proceedings of a national conference, Kansas City, Missouri, May 19-22, 1985. p. 30-34; 1985. Includes references.

Language: English

Descriptors: North Carolina; Water composition and quality; Experimental designs; Water pollution; Control; Programs; Pollution by agriculture; Monitoring

36 NAL Call. No.: 475 AC83
Aspects of the chemistry and hydrology of the Orituco river, Venezuela. Cressa, C.; Senior, C.T.
Caracas : Asociacion Venezolana para el Avance de la Ciencia; 1987. Acta cientifica venezolana v. 38 (1): p. 99-105. maps; 1987. Includes references.

Language: English

Descriptors: Venezuela; River water; Rivers; Water composition and quality; Hydrological data; Ph; Phosphorus; Water hardness; Nitrates; Nitrites

37 NAL Call. No.: 280.8 J822
Assessing strategies for control of irrigation-induced salinity in the Upper Colorado River Basin.
Gardner, R.L.; Young, R.A.
Ames, Iowa : American Agricultural Economics Association; 1988 Feb. American journal of agricultural economics v. 70 (1): p. 37-49; 1988 Feb. Includes references.

Language: English

Descriptors: Great basin and pacific slope; Western states of U.S.A.; Mexico; Water management; Irrigated farming; Linear programming; Water policy; Saline water; Minerals; Fiscal policy; Subsidies; Right of access; Linear models

38 NAL Call. No.: RA1221.T69
Assessment of mutagenic activity in drinking water from Sao Paulo City, Brazil.
Sanchez, P.S.; Coimbrao, C.A.; Coelho, M.C.L.; Valent, G.U.; Sato, M.I.Z.; Martins, M.T.
New York, N.Y. : John Wiley & Sons; 1992 May.
Environmental toxicology and water quality v. 7 (2): p.

141-155; 1992 May. Includes references.

Language: English

Descriptors: Sao paulo; Drinking water; Water quality; Chlorinated hydrocarbons; Chlorine; Organic compounds; Mutagenicity; Bioassays; Carcinogens; Dosage effects

Abstract: During the last decade, studies carried out in several countries throughout the world have disclosed the presence of halogenated hydrocarbons and other potentially carcinogenic compounds in drinking water, causing public concern with respect to the quality of drinking water. Considering this problem, chlorinated drinking water from seven water treatment plants in Sao Paulo and from its water sources were tested for mutagenicity in the Ames/Salmonella assay. Different volumes of raw and treated waters were concentrated by XAD-2 resin, and eluted in methanol and methylene chloride. Organic extracts resuspended in DMSO were assayed for dose response in Salmonella typhimrium strains TA98 and TA100, with and without metabolic activation, using the plate incorporation technique. Results showed higher incidence of mutagenic activity in water samples after chlorination than in raw water. The majority of positive responses were decreased by addition of metabolic activation, confirming the presence of direct-acting mutagens, produced during water chlorination, although significant mutagenicity was also observed in the presence of S9. Mutagenic levels ranged from 104 to 569 revertants/L in raw water, and in chlorinated drinking water, between 10 and 418 revertants/L. Based on the results obtained in this study, it is essential to study and identify mutagenic compounds evolving from the chlorination processes, and to determine, for water treatment plants with high incidence of mutagenic compounds, the procedures to avoid or eliminate this problem, as well as to establish an effective monitoring program.

39

NAL Call. No.: 292.8 W295

Assessment of runoff and suspended sediment yield in a partially forested catchment in southern Chile.

Iroume, A.

Washington, D.C. : American Geophysical Union; 1990 Nov.

Water resources research v. 26 (11): p. 2637-2642. ill., maps; 1990 Nov. Includes references.

Language: English

Descriptors: Chile; Runoff; Sediment; Sediment yield; Rain; Stream flow; Watersheds; Forests; Grasslands

Abstract: A 12-month study of runoff and suspended sediment yield was undertaken in a 0.93 km² catchment in southern Chile. Rainfall and total runoff for the period December 1983-November 1984 were estimated at 2170 and 1150 mm, respectively, representing a runoff coefficient of 0.53. Suspended sediment concentrations ranged between 14 and 186 mg

L-1, with an average of 71 mg L-1. Suspended sediment yield was estimated at 84 t or 90 t km-2 yr-1.

40 NAL Call. No.: A00069
The bay reaps what farmers sow: controlling pollution from agriculture is critical to restoring the Chesapeake.
Cohn, D.
Washington, D.C. : The Washington Post Co; 1990 Nov26.
The Washington post. p. E1, E5; 1990 Nov26.

Language: English

Descriptors: U.S.A.; Virginia; Maryland; Pennsylvania; Water pollution; Pesticide residues; Fertilizers; Algae; Usda

41 NAL Call. No.: 56.8 J822
Benefit and cost insights from the Rural Clean Water Program.
Piper, S.; Young, C.E.; Magleby, R.
Ankeny, Iowa : Soil and Water Conservation Society of America; 1989 May. Journal of soil and water conservation v. 44 (3): p. 203-208. ill; 1989 May. Includes references.

Language: English

Descriptors: Rural areas; Water quality; Programs; Water use

42 NAL Call. No.: 57.8 P34AE
Biogeochemistry of certain forested landscapes of different temperature regions.
Bazilevich, N.I.; Shitikova, T.Y.
New York, N.Y. : Scripta Technica; 1990.
Soviet soil science v. 22 (1): p. 1-13; 1990. Translated from: Pochvovedeniye, (7), 1989, p. 11-23. (57.8 P34).
Includes references.

Language: English; Russian

Descriptors: U.S.S.R.in europe; South America; Forest soils; Boreal forests; Tropical rain forests; Forest steppe soils; Taiga soils; Biogeochemical cycles; Biological production; Water composition and quality; Mineral content; Nitrogen content; Chemical composition; Nutrient cycles; Nutrient balance; Ecosystems; Tropical zones; Temperate zones

43 NAL Call. No.: HC79.E5E5
Brazil's Balbina Dam: environment versus the legacy of the pharaohs in Amazonia.
Fearnside, P.M.
New York, N.Y. : Springer-Verlag; 1989 Jul.
Environmental management v. 13 (4): p. 401-423. ill., maps; 1989 Jul. Includes references.

Language: English

Descriptors: Brazil; Tropical rain forests; Dams;
Hydroelectric schemes; Environmental degradation; Program
evaluation; Water pollution

44 NAL Call. No.: TD228.A1A83 1987
Calidad y cantidad del agua en Mexico [Quality and quantity
of water in Mexico]., 1a ed..
Athie Lambarri, Mauricio
Mexico : Universo Veintiuno,; 1987.
152 p. : ill. ; 23 cm. (Coleccion Medio ambiente. Temas ; 3).
Includes bibliographical references.

Language: Spanish

Descriptors: Water quality; Mexico; Water-supply; Mexico;
Water resources development; Mexico

45 NAL Call. No.: 500 AM322A
Changes in Mississippi River water quality this century:
implications for coastal food webs.
Turner, R.E.; Rabalais, N.N.
Washington, D.C. : The Institute; 1991 Mar.
BioScience - American Institute of Biological Sciences v. 41
(3): p. 140-147. maps; 1991 Mar. Includes references.

Language: English

Descriptors: Louisiana; Gulf of Mexico; River water; Water
quality; Eutrophication; Fertilizers; Nitrates; Phosphorus;
Silicates; Water pollution; Watersheds; Food chains; Indicator
plants; Bacillariophyta; Phytoplankton

46 NAL Call. No.: QH540.S64
Chemical relationships between vegetation, soil and water in
contrasting inundation areas of Amazonia.
Furch, K.; Klinge, H.
Oxford : Blackwell Scientific Publications; 1989.
Special publications ... of the British Ecological Society
(9): p. 189-204. maps; 1989. In the series analytic: Mineral
Nutrients in Tropical Forest and Savanna Ecosystems / edited
by J. Proctor. Literature review. Includes references.

Language: English

Descriptors: Brazil; Forests; Ecosystems; Submergence;
Vegetation; Nutrient content; Phosphorus; Potassium; Sodium;
Calcium; Magnesium; Soil fertility; Water quality

47 NAL Call. No.: SF191.G4
Clean water act: agriculture's next major battle.
Hartnett, K.
Macon, Ga. : Georgia Cattlemen's Association; 1991 May.

Georgia cattleman v. 19 (5): p. 22, 25, 64. ill; 1991 May.

Language: English

Descriptors: U.S.A.; Water quality; Feedlots; Cattle manure; Irrigation water

48 NAL Call. No.: aG4302.C6C315 1985 .U5 Map
Colorado River basin, AZ., CA., CO., NV., NM., UT. and WY.
United States. Soil Conservation Service
Fort Worth, Tex. : USDA-SCS,; 1985.
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U.S.G.S. national atlas maps. Includes location map. January
1985, 4-R-38805-1.

Language: English; English

Descriptors: Colorado River Watershed (Colo.-Mexico); Maps

49 NAL Call. No.: TD479.2.C64 1985
Colorado River Basin Salinity Control Act Public Law 93-320,
June 24, 1974 as amended by Public Law 98-569, October 30,
1984.
Engineering and Research Center (U.S.), Colorado River Water
Quality Office Denver, Colo. : Colorado River Water Quality
Office, Bureau of Reclamation,; 1985.
1 v. (various pagings) : ill. ; 28 cm. "June 1, 1985"--1st
prelim. p. Includes bibliographical references.

Language: English

Descriptors: Colorado River Watershed (Colo.-Mexico); Saline
water conversion; Watershed management

50 NAL Call. No.: TD225.C665S3
Colorado River simulation system executive summary.
Schuster, Ronald J.
United States, Bureau of Reclamation
Denver, CO : U.S. Dept. of the Interior, Bureau of Reclamation
; Springfield, Va. : Available from the National Technical
Information Service,; 1987. iii, 10 p. : ill., 1 map ; 28 cm.
April 1987.

Language: English; English

Descriptors: Water quality management; Colorado River
Watershed (Colo.-Mexico); Water resources development;
Colorado River Watershed (Colo.-Mexico); Data processing;
Watershed management; Colorado River Watershed (Colo.-Mexico);
Data processing; Water quality management; United States;
Water resources development; United States

51

NAL Call. No.: TD420.A1P7

A comparative study of inland water quality--Sao Paulo (Brazil), France and England.

Abreu, R.M.; Guazzelli, M.R.

Oxford : Pergamon Press; 1987.

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Language: English

Descriptors: Brazil; France; England; Wales; Water resources; Water pollution; River water; Water quality; Surveys; Inventories

52

NAL Call. No.: TD201.A72

Consequences inattendues de l'edification d'un barrage-reservoir en zone cotiere desertique au Perou [Unexpected consequences of the construction of a storage dam in a desert coastal zone in Peru].

Mouchet, P.

Oxford : Pergamon Press; 1987.

Aqua (4): p. 181-190. ill., maps; 1987. Includes references.

Language: French

Descriptors: Peru; Dams; Water reservoirs; Deserts; Coastal areas; Sedimentation; Drought; Water composition and quality; Rivers; Chlorides; Sulfates; Salinity; Ph; Corrosion

53

NAL Call. No.: RA1270.P35A1

Contamination of rural ponds with pesticide, 1971-85, Ontario, Canada. Frank, R.; Braun, H.E.; Ripley, B.D.; Clegg, B.S.

New York, N.Y. : Springer-Verlag; 1990 Mar.

Bulletin of environmental contamination and toxicology v. 44 (3): p. 401-409; 1990 Mar. Includes references.

Language: English

Descriptors: Ontario; Rural areas; Ponds; Pesticide contaminants; Pollution by agriculture; Agricultural chemicals; Water composition and quality; Groundwater pollution

54

NAL Call. No.: TD223.N6

Cooperative extension's water and soil programing in the 80's overview and recommendations.. Water and soil programing in the 80's Cooperative Extension's soil and water programming in the 1980's Soil and water programming in the 1980's

Wright, Joan

North Carolina Agricultural Extension Service; United States, Extension Service

Raleigh, NC : North Carolina Agricultural Extension Service; 1986. 13 p. ; 28 cm. Cover title. "Cooperative Extension's soil and water programming in the 1980's--P. [i]. "Authors:

Joan Wright ... [et al.]"--P. [i]. "July 1986"--P. [i].
Includes bibliographical references.

Language: English

Descriptors: Water quality management; United States; Water conservation; United States; Management; Soil conservation; United States; Management; Agricultural extension work; North Carolina

55 NAL Call. No.: 56.8 J822
Cost-effective targeting of agricultural nonpoint-source pollution controls. Duda, A.M.; Johnson, R.J.
Ankeny, Iowa : Soil Conservation Society of America; 1985 Jan.
Journal of soil and water conservation v. 40 (1): p. 108-111. ill., maps; 1985 Jan. Includes 19 references.

Language: English

Descriptors: U.S.A.; Watersheds; Pollution by agriculture; Water composition and quality; Environmental policy; Cost analysis

56 NAL Call. No.: TD420.A1P7 v.19 no.9
Developments in river basin management proceedings of an IAWPRC Conference held in Sao Paulo, Brazil, 13-15 August 1986., 1st ed..
Nucci, Nelson Luiz Rodrigues; Uehara, K.; Casadei, W. S. International Association on Water Pollution Research and Control, Conference_(1986 :_Sao Paulo, Brazil)
Oxford ; New York : Pergamon Press,; 1987.
viii, 279 p. : ill., maps ; 25 cm. (Water science and technology, v. 19, no. 9). Includes bibliographies and index.

Language: English

Descriptors: Watershed management; Congresses

57 NAL Call. No.: 55.9 IN8A
Disposal of saline water in the Mexicali Valley Irrigation District. Palacios Velez, O.; Escamilla Avina, M.; Reyes Jimenez, A. New Delhi : The Commission; 1987 Jan.
ICID bulletin - International Commission on Irrigation and Drainage v. 36 (1): p. 23-26. maps; 1987 Jan.

Language: English

Descriptors: Mexico; Saline water; Water dumping; Water budget; Irrigation

58 NAL Call. No.: 282.8 J82
The downstream benefits of soil conservation in third world hydroelectric watersheds.

Southgate, D.; Macke, R.
Madison, Wis. : University of Wisconsin Press; 1989 Feb.
Land economics v. 65 (1): p. 38-48; 1989 Feb. Includes
references.

Language: English

Descriptors: Developing countries; Ecuador; Soil conservation;
Water resources; Development plans; Erosion control; Resource
allocation; Watersheds; Hydroelectric schemes; Simulation
models; Soil sedimentation; Watershed management; Transport
processes in soil systems; Cost benefit analysis

59 NAL Call. No.: 1.90 C20U8
Draft agricultural pollution prevention initiative.
Christensen, P.
Washington, D.C. : U.S. Dept. of Agriculture; 1993 Mar.
Outlook. p. 212-220; 1993 Mar. Paper presented at the
conference "Agriculture's changing horizon," December 1-3,
1992, Washington, DC.

Language: English

Descriptors: U.S.A.; Usda; Government organizations; Pollution
control; Cooperation; Environmental policy

60 NAL Call. No.: QH1.J62
The dynamics of a tropical floodplain environment with
reference to forest ecology.
Nortcliff, S.; Thornes, J.B.
Oxford : Blackwell Scientific Publications; 1988 Jan.
Journal of biogeography v. 15 (1): p. 49-59. maps; 1988 Jan.
Includes references.

Language: English

Descriptors: Brazil; Floodlands; Flooding; Flow; Groundwater
flow; Hydrology; Tropical rain forests; Watersheds;
Ecosystems; Forest litter; Organic matter in soil

61 NAL Call. No.: HD469.A5A75
Early water management technology on the Peruvian coast.
Benfer, R.A.; Weir, G.H.; Enriquez, B.O.
Boulder : Westview Press; 1987.
Arid land use strategies and risk management in the Andes : a
regional anthropological perspective / edited by David L.
Browman. p. 195-206. ill; 1987. (Westview special studies in
social, political, and economic development). Includes
references.

Language: English

Descriptors: Peru; Water management; Anthropology; Hydraulics;
Traditional technology

62

NAL Call. No.: 450 OS7

The ecogeographical differentiation of Amazonian inundation forests. Kubitzki, K.
Wien : Springer; 1989.
Plant systematics and evolution v. 162 (1/4): p. 285-304;
1989. In the series analytic: Woody plants--evolution and distribution since the Tertiary / edited by F. Ehrendorfer. Paper presented at the "Symposium Organized by Deutsche Akademie der Naturforscher Leopoldina, " October 9-11, 1986, Halle/Saale, German Democratic Republic. Literature review. Includes references.

Language: English

Descriptors: Brazil; Tropical forests; Floodlands; Forest ecology; Flooding; Biota; Water quality; Centers of diversity; Species diversity; Habitats; Flora; Evolution

63

NAL Call. No.: aTD365.P5

Economic benefit considerations in selecting water quality projects insights from the Rural Clean Water Program. Piper, Steven; Magleby, Richard S.; Young, C. Edwin
United States, Dept. of Agriculture, Economic Research Service, Resources and Technology Division
Washington, D.C. : U.S. Dept. of Agriculture, Economic Research Service, Resources and Technology Division,; 1989.
v, 28 p. : ill. ; 28 cm. (ERS staff report ; no. 89-18).
Cover title. "May 1989."--P. iii. Includes bibliographical references.

Language: English

Descriptors: Water quality management; United States

64

NAL Call. No.: HC55.N3

Economic degradation, conservation and allocation of water resources. Llop, A.
Stoneham, Mass. : Butterworth-Heinemann Ltd; 1991 Nov.
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Paper presented at the seminar "Mobilization of Resources for the Development and Optimum Assignment of Water Resources and their Conservation," Merida, Venezuela, December 3-7, 1990. Includes references.

Language: English

Descriptors: Latin America; Water resources; Economic situation; Degradation; Sustainability; Cost benefit analysis; Water conservation; Water allocation; Infrastructure; Structural change

65

NAL Call. No.: S95.E2

Economic impacts of agriculture technologies that affect water quality. Tauer, L.W.
Ithaca, N.Y. : New York Agric. Exp. Stations and New York State College of Agric. & Life Sciences; 1988.
New York's food and life sciences quarterly v. 18 (1/2): p. 27-28; 1988.

Language: English

Descriptors: U.S.A.; Pollution by agriculture; Water composition and quality; Economic impact; Minimum tillage systems; Multiple cropping

66 NAL Call. No.: 56.8 J822
Effects of livestock wastes and agricultural drainage on water quality: an Ontario case study.
Thornley, S.; Bos, A.W.
Ankeny, Iowa : Soil Conservation Society of America; 1985 Jan.
Journal of soil and water conservation v. 40 (1): p. 173-175.
maps; 1985 Jan. Includes 2 references.

Language: English

Descriptors: Ontario; Watersheds; Water composition and quality; Animal wastes; Livestock; Drainage; Environmental pollution

67 NAL Call. No.: HD1773.A3N6
Effects of soil and agricultural chemicals management on farm returns and ground water quality.
Setia, P.; Piper, S.
East Lansing, Mich. : Michigan State University; 1992 Jan.
Review of agricultural economics v. 14 (1): p. 65-80; 1992 Jan. Includes references.

Language: English

Descriptors: Corn belt of U.S.A.; Maize; Soybeans; Pesticides; Agricultural chemicals; Soil management; Groundwater; Water quality; Leaching; Returns; Tillage; Federal programs; Conservation

Abstract: Economic and physical simulation models were utilized to evaluate the effect of alternative soil and agricultural chemical management systems, implemented under the Conservation Reserve and Conservation Compliance Programs, on pesticides' leaching, and returns to fixed farm resources. Findings of the study show that the selection of appropriate soil and chemical systems may not only increase farm returns but may also result in a significant reduction in leaching and hence ground water degradation.

68 NAL Call. No.: QC988.A66G4
Element cycling in the Amazon Basin: a riverine perspective.

Richey, J.E.; Ribeiro, M. de N.G.
New York : John Wiley for the United Nations University; 1987.
The Geophysiology of Amazonia : vegetation and climate
interactions / Robert E. Dickinson, editor. p. 245-250. maps;
1987. Includes references.

Language: English

Descriptors: Brazil; Cycling in ecosystems; Nutrient cycles;
River basins; Water composition and quality

69 NAL Call. No.: aHD1751.A42
Environment & food safety are issued in U.S.--Mexico trade.
Forsythe, K.W. Jr
Rockville, Md. : The Service; 1992 May.
Agricultural outlook AO - U.S. Department of Agriculture,
Economic Research Service (185): p. 34-38; 1992 May.

Language: English

Descriptors: U.S.A.; Mexico; Irrigation; Fertilizers; Water
quality; Food safety; Environmental impact; Agricultural trade

70 NAL Call. No.: Q1.A1I5
Environmental aspects of Amazonian development projects in
Brazil. Goodland, R.
Caracas, Venezuela : Pergamon Press; 1986 Jan.
Interciencia v. 11 (1): p. 16-24, 50-52. maps; 1986 Jan.
Includes references.

Language: English

Descriptors: Brazil; Environmental assessment; Project
appraisal; Environmental control; Natural resources; Resource
conservation; Forest resources; Dams; Hydraulic engineering;
Settlement; Population pressure

71 NAL Call. No.: S589.755.C36
Environmental impacts of agricultural production activities.
Canter, Larry W.
Chelsea, Mich. : Lewis Publishers,; 1986.
xviii, 382 p. : ill. ; 25 cm. Includes bibliographies and
index.

Language: English; English

Descriptors: Agricultural pollution; United States;
Agricultural ecology; United States; Agricultural innovations;
United States

72 NAL Call. No.: S183.V5V54
Environmental monitoring in the Salt River Submarine Canyon,
St. Croix. Coulston, M.L.

St. Croix, U.S. Virgin Islands : Univ. of the Virgin Islands, Agric. Exp. Stn; 1988-1989.
Island perspectives v. 3: p. 26-29; 1988-1989.

Language: English

Descriptors: United states virgin Islands; Marine areas;
Environmental assessment; Marine environment; Monitoring;
Water quality

73 NAL Call. No.: HD1761.A283
Environmental protection and agricultural support: are trade-offs necessary?. Reichelderfer, K.
Washington, D.C. : Resources for the Future and National Planning Association; 1990.
Agricultural policies in a new decade / Kristen Allen, editor. p. 201-230; 1990. Includes references.

Language: English

Descriptors: U.S.A.; Environmental protection; Agricultural policy; Environmental policy; Pollution by agriculture

74 NAL Call. No.: 464.8 SP2
Environmental protection and agriculture--education or regulation?. Potter, C.A.
Foston : J.G.R. Stevens; 1986.
Span : progress in agriculture v. 29 (1): p. 5-6; 1986. Includes references.

Language: English

Descriptors: U.S.A.; Western europe; Environmental protection; Pollution by agriculture; Soil conservation

75 NAL Call. No.: TD223.9.E87
Estimating economic impacts of salinity of the Colorado River. Lohman, Loretta C.
United States, Bureau of Reclamation, Milliken Chapman Research Group Littleton, Colo. : Milliken Chapman Research Group ; Springfield, Va. : Available from N.T.I.S.,; 1988. xii, 95 p. : ill. ; 28 cm. "Final report"--Cover. February 1988. Bibliography: p. [83]-90.

Language: English; English

Descriptors: Colorado River (Colo.-Mexico); Salinity; Water quality

76 NAL Call. No.: Q184.R4
Estimating suspended sediment concentrations in surface waters of the Amazon River wetlands from Landsat images.
Mertes, L.A.K.; Smith, M.O.; Adams, J.B.

New York, N.Y. : Elsevier Science Publishing; 1993 Mar.
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Includes references.

Language: English

Descriptors: Brazil; Rivers; Water quality; Suspensions;
Sediment; Concentration; Wetlands; Satellite imagery

77 NAL Call. No.: 290.9 AM3PS (IR)
Evapotranspiration estimation for data-short environment.
Shih, S.F.; Cheng, K.S.
New York, N.Y. : American Society of Civil Engineers; 1991
Jan. Journal of irrigation and drainage engineering v. 117
(1): p. 107-122; 1991 Jan. Includes references.

Language: English

Descriptors: Florida; Puerto Rico; Evapotranspiration;
Estimation; Water budget; Weather data; Watershed management

78 NAL Call. No.: TD201.I56
The evolution of water management in Latin America.
Lee, T.
Surrey : Butterworth Scientific Ltd; 1988 Sep.
International journal of water resources development v. 4 (3):
p. 160-168; 1988 Sep. Includes references.

Language: English

Descriptors: Latin America; Water management; History;
Development plans; Development policy; Economic growth

79 NAL Call. No.: HC59.7.S88
Evolutionary conservation project planning and implementation:
NARMA in the Dominican Republic.
Kemph, G.S.; Hernandez, A.
Boulder : Westview Press; 1987.
Sustainable resource development in the Third World / edited
by Douglas D. Southgate and John F. Disinger. p. 113-128;
1987. (Westview special studies in natural resources and
energy management). Includes references.

Language: English

Descriptors: Dominican republic; Developing countries; Natural
resources; Resource management; Erosion; Sloping land;
Development projects; Agricultural production; Institutional
administration; Soil and water conservation

80 NAL Call. No.: 1.90 C2OU8
Expected impacts of clean water legislation on agriculture.
Zinn, J.A.

Washington, D.C. : The Department; 1992.
Outlook - Proceedings, Agricultural Outlook Conference, U.S.
Department of Agriculture (68th): p. 332-337; 1992. Paper
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3-5, 1991, Washington, DC.

Language: English

Descriptors: U.S.A.; Water quality; Environmental legislation;
Agricultural policy; Environmental impact

81 NAL Call. No.: 56.8 J822
The extent and costs of groundwater contamination by
agriculture. Lee, L.K.; Nielsen, E.G.
Ankeny, Iowa : Soil Conservation Society of America; 1987 Jul.
Journal of soil and water conservation v. 42 (4): p. 243-248.
ill., maps; 1987 Jul. Includes references.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Pollution by
agriculture; Water composition and quality; Fertilizers;
Pesticides; Contamination; Costs

82 NAL Call. No.: MnSUThesis stp whit
Factors influencing participation in cooperative watershed
management in Mainssade, Haiti.
White, Thomas Anderson
1992; 1992.
v, 100 leaves : ill. ; 29 cm. Includes bibliographical
references.

Language: English

83 NAL Call. No.: HT401.S72
Family and community concerns in water quality with a focus on
agricultural chemicals.
Morris, A.R.
Mississippi State, Miss. : The Center; 1990 Jun.
SRDC series - Southern Rural Development Center (131): p.
45-48; 1990 Jun. In the series analytic: Agricultural and
Community Development Interface / edited by P.D. Warner and R.
Campbell. Proceedings of Regional Workshop, October 8-11,
1989, Williamsburg, Virginia. Response by W. Jordan, p. 49-50.
Includes references.

Language: English

Descriptors: U.S.A.; Farmers; Farm families; Water quality;
Groundwater; Agricultural chemicals; Runoff

84 NAL Call. No.: ArUS494.5.S86F27 1991
Farm program options guide to sustainable agriculture,

conservation and water quality incentive programs in the 1990 Farm Bill.

Hoefner, Ferd; Cramer, Craig; Thorpe, Kris; Cleaveland, Marta
Sustainable Agriculture Working Group
Walthill, Neb. : The Sustainable Agriculture Working Group, ;
1991. iii, 32 p. : ill. ; 28 cm. January 1991.

Language: English; English

Descriptors: Agricultural laws and legislation; Rural development; Sustainable agriculture; Alternative agriculture; Water quality; Agricultural conservation; Agricultural subsidies

85

NAL Call. No.: aS622.S6

Flood control promoted.

Gonzalez, A.

Washington, D.C. : The Service; 1991 Sep.

Soil & water conservation news - U.S. Department of Agriculture, Soil Conservation Service v. 12 (3): p. 18; 1991 Sep.

Language: English

Descriptors: Puerto Rico; Flood control

86

NAL Call. No.: GB1399.I58 1986

Flood control with the use of an irrigation storage reservoir.

Kaliski, E.; Arrau, L.

Dordrecht : D. Reidel Pub. Co; 1987.

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Language: English

Descriptors: Chile; Flood control; Irrigation water; Water reservoirs; Economic analysis; Multiple use; Simulation models

87

NAL Call. No.: aTC424.C6F57

Flood plain management study, Colorado River tributaries Porcupine Creek, Beaver Creek, Mamm Creek, Dry Hollow Creek, Divide Creek, Garfield Creek, Alkali Creek, South Canyon Creek, Canyon Creek, Elk Creek. United States, Soil Conservation Service, Colorado Water Conservation Board Denver : The Service, ; 1986.

1 v. (various pagings) : ill., maps (some folded) ; 28 cm.

Cover title. July 1986. Bibliography: p. 27-28.

Language: English

Descriptors: Floodplain management; Colorado; Floodplain management; Colorado River Valley (Colo.-Mexico)

88

NAL Call. No.: HC55.N3

Floods.

Ali Khan, A.

London : Graham & Trotman; 1987 Aug.

Natural resources forum v. 11 (3): p. 259-269; 1987 Aug.

Includes references.

Language: English

Descriptors: Argentina; Developing countries; Floods; Food supply; Crop loss; Forecasting; Financial planning; Institutional administration; Settlement patterns; Economic impact; Water resource management

89

NAL Call. No.: 407 G29W no.2362

Floods of December 1982 to May 1983 in the Central and Southern Mississippi River and the Gulf of Mexico basins.

Stone, Roy B.; Bingham, Roy H.,

Washington [D.C] : b U.S. G.P.O. ; Denver, CO : For Sale by the Books and Open-File Reports Section, U.S. Geological Survey [distributor]; 1991. vi, 96 p. : ill., maps ; 28 cm. (U.S. Geological Survey water-supply paper ; 2362). One folded map in pocket. Bibliography: p. 24-25.

Language: English

Descriptors: Floods

90

NAL Call. No.: 500 N483J

Floodtime on the Ucayali.

Padoch, C.; Pinedo-Vasquez, M.

New York, N.Y. : American Museum of Natural History; 1991 May.

Natural history (5): p. 48-57; 1991 May.

Language: English

Descriptors: Peru; Floods; Farmers; Farmland; Oryza sativa; River valleys; Rivers; Sediment; Soil fertility

91

NAL Call. No.: HD1690.5.W3 1987

Food and water: the wider interrelationships and the Latin American context., 1st ed.

Rodgers, K.P.

College Station : Texas A&M University Press; 1987.

Water and water policy in world food supplies : proceedings of the conference, May 26-30, 1985, Texas A&M University, College Station, Texas / editor, Wayne R. Jordan. p. 7-8; 1987.

Language: English

Descriptors: Latin America; Food policy; Water policy; Relationships; River basins; Land resources; Land development;

Water resources; Resource development

92 NAL Call. No.: TD930.I57 1985
Food production and environmental quality: agricultural
nonpoint source issues.
Myers, C.F.
St. Joseph, Mich. : American Society of Agricultural
Engineers; 1985. Agricultural waste utilization and management
: proceedings of the Fifth International Symposium on
Agricultural Wastes, December 16-17, 1985, Hyatt Regency
Chicago, Illinois Center, Chicago, Illinois. p. xvi-xviii;
1985. (ASAE publication ; 13-85).

Language: English

Descriptors: U.S.A.; Agricultural wastes; Animal wastes; Water
pollution; Environmental protection; Pollution by agriculture

93 NAL Call. No.: QC988.A66G4
The forest and the hydrological cycle.
Salati, E.
New York : John Wiley for the United Nations University; 1987.
The Geophysiology of Amazonia : vegetation and climate
interactions / Robert E. Dickinson, editor. p. 273-296. ill.,
maps; 1987. Includes references.

Language: English

Descriptors: Brazil; Climatic change; Deforestation; Forest
influences; Humid tropics; Hydrological cycle; Precipitation;
River basins; Solar radiation; Water balance; Water vapor

94 NAL Call. No.: QK938.D4D4
Freshwater islands in a desert sand sea: the hydrology, flora,
and phytogeography of the Gran Desierto Oases of northwestern
Mexico. Ezcurra, E.; Felger, R.S.; Russell, A.D.; Equihua, M.
Superior, Ariz. : University of Arizona; 1988.
Desert plants v. 9 (2): p. 35-44, 55-63. ill., maps; 1988.
Includes references.

Language: English

Descriptors: Mexico; Surface water; Deserts; Springs (water);
Oases; Flora; Geography; Aquifers; Hydrology; Water
composition and quality; Physico-chemical properties;
Groundwater

95 NAL Call. No.: 56.8 J822
From hoes to herbicides: agriculture and groundwater quality.
Hallberg, G.R.
Ankeny, Iowa : Soil Conservation Society of America; 1986 Nov.
Journal of soil and water conservation v. 41 (6): p. 357-364.
ill; 1986 Nov. Includes references.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Pollution by agriculture; Water composition and quality; Agricultural chemicals; Nitrates; Fertilizers; Pesticides

96 NAL Call. No.: TE5.F8 1982
Future of roads and rivers in Suriname and neighbouring region
proceedings FURORIS Congress, Paramaribo, December 2-7,1982.
Bekker, Dan; Ehrenburg, Hillebrand
FURORIS Congress 1982 : Paramaribo, Surinam.
Delft, The Netherlands : Delft Univ. of Technology, Dept. of
Civil Engineering, Commission of Foreign Affairs,; 1988.
xii, 536 p., [1] folded leaf of plates : ill., maps : 24 cm.
December 1982. Includes bibliographical references and index.

Language: English

Descriptors: Highway engineering; Surinam; Congresses; River engineering; Surinam; Congresses

97 NAL Call. No.: 407 G29W no.2258
Geohydrology and water resources of the Papago farms-great
plain area, Papago Indian Reservation, Arizona, and the upper
Rio Sonoyta area, Sonora, Mexico. Hollett, Kenneth J.
United States, Bureau of Indians Affairs, Geological Survey
(U.S.) Reston, Va.? : U.S. Dept. of the Interior, U.S.
Geological Survey ; Alexandria, Va. : For sale by the
Distribution Branch, Text Products Section, USGS,; 1985.
v, 44 p. : ill., maps ; 28 cm.. (Geological Survey water-
supply paper, 2258). Bibliography: p. 42-43.

Language: English; English

Descriptors: Water, Underground; Arizona; Papago Indian
Reservation; Water, Underground; Sonoyta River Region (Mexico
and Ariz.); Water-supply; Arizona; Papago Indian Reservation;
Water-supply; Sonoyta River Region (Mexico and Ariz.)

98 NAL Call. No.: Videocassette no.698
Ground water and agricultural chemicals understanding the
issues. Monsanto Company
St. Louis, Mo.? : Monsanto,; 1989.
1 videocassette (ca. 30 min.) : sd., col. ; 1/2 in. + 1 manual
+ 2 copies of a checklist + 2 sets of quizzes + 2 sets of
answers sheets. (Dealer environmental training & information
library series ; 1.). VHS format. Video has 1988 copyright
date; complete package has 1989 release date.

Language: English

Descriptors: Agricultural chemicals; Environmental aspects;
United States; Water, underground; Pollution; Water quality;

United States; Water; Pollution; United States

Abstract: D.E.T.A.I.L. 1 of a progressive dealer environmental training developed by Monsanto focuses on understanding and preventing ground water contamination while handling and applying agricultural chemicals. This kit consists of a contents description, videocassette, an illustrated workbook, guidelines for preventing contamination, and a multiple choice quiz with answers. This well-organized module presents valuable information for dealers and growers.

99

NAL Call. No.: S605.5.A43

Ground water contamination from agricultural sources: implications for voluntary policy adherence from Iowa and Virginia farmers' attitudes. Halstead, J.M.; Padgitt, S.; Batie, S.S.
Greenbelt, Md. : Institute for Alternative Agriculture; 1990.
American journal of alternative agriculture v. 5 (3): p. 126-133; 1990. Includes references.

Language: English

Descriptors: Iowa; Virginia; Groundwater pollution; Contamination; Agricultural chemicals; Dairy wastes; Water quality; Farmers' attitudes; Questionnaires; Interviews; Farm management; Public opinion; Risk; Health hazards; Environmental impact; Economic impact; Crop production; Dairy farming; Agricultural policy; Programs; Incentives

Abstract: Contamination of ground water from agricultural sources has been documented in a majority of the contiguous United States. In this study, we examine the potential for voluntary adoption of management practices that reduce risk of ground water contamination and discuss how farm operators' attitudes regarding the environment might affect the success of voluntary programs. Farmers' behavior and attitudes in Rockingham County, Virginia, and Big Spring Basin, Iowa, reveal that both groups consider the ground water issue to be a serious problem to which they are contributing. This awareness is a significant first step in prompting consideration of management practices that reduce the threat to ground water quality. We also found that the worst offenders--that is, farmers applying nitrogen well above agronomic recommendations--were those with the least concern about the problem. If major shifts in farming practices are to occur voluntarily, major incentives or disincentives are needed. Even though the concern about ground water quality is high, the documented risks perceived by farmers are not strongly convincing. The economic incentives for change are questionable at best. Voluntary adoption of best management practices is only one of several policy options. Ultimately, policies designed to reduce ground water contamination may need a mix of strategies, including economic incentives and disincentives, zoning and land use restrictions, environmental regulations, and bans on agricultural chemicals.

100 NAL Call. No.: TD223.G7
Ground water quality and agricultural practices.
Fairchild, Deborah M.
Chelsea, Mich. : Lewis Publishers,; 1987.
xxviii, 402 p. : ill., maps ; 25 cm. Includes bibliographies
and index.

Language: English

Descriptors: Water, Underground; United States; Quality;
Irrigation water; United States

101 NAL Call. No.: KF27.A33277 1987a
Ground water quality hearings before the Subcommittee on
Department Operations, Research, and Foreign Agriculture of
the Committee on Agriculture, House of Representatives, One
Hundredth Congress, first session on H.R. 791, July 28, and
September 16, 1987.
United States. Congress. House. Committee on Agriculture.
Subcommittee on Department Operations, Research, and Foreign
Agriculture
Washington, [D.C.] : U.S. G.P.O. : For sale by the Supt. of
Docs., Congressional Sales Office, U.S. G.P.O.,; 1988; Y 4.Ag
8/1:100-49. iv, 328 p. : ill., maps ; 24 cm. Distributed to
some depository libraries in microfiche. Serial no. 100-49.
Includes bibliographies.

Language: English; English

Descriptors: Water, Underground; Law and legislation; United
States; Water resources development; Research; Law and
legislation; United States; Water quality management; United
States; Water; Pollution; Law and legislation; United States

102 NAL Call. No.: HD1751.C45
Groundwater contamination is a rural problem.
Hostetler, J.
Merrifield, Va. : American Agricultural Economic Association;
1988. Choices : the magazine of food, farm and resource issues
v. 3 (3): p. 24. maps; 1988.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Water composition
and quality; Wells; Pollution by agriculture; Agricultural
chemicals; Non-farm land

103 NAL Call. No.: TD420.A1P7
Groundwater monitoring in areas used for the infiltration of
effluents from chemical industries.
Poppe, L.P.M.; Cunha, R.C.A.; Gloeden, E.; Gomes, D.C.; Cabral
Junior, D. Oxford : Pergamon Press; 1987.
Water science and technology : a journal of the International

Association on Water Pollution Research v. 19 (8): p. 205-212.
maps; 1987. Includes references.

Language: English

Descriptors: Brazil; Industrial wastes; Chemical industries;
Groundwater pollution; Monitoring; Water composition and
quality; Chemical analysis; Waste disposal

104 NAL Call. No.: TD201.M29
Human health and water quality as related to the uses and
management of water for agriculture.
Sampson, R.N.
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1985. Managing water resources : convened in February 1985 at
the New York Academy of Medicine, New York, N.Y.. p. 25-28;
1985. (The Rene Dubos forum series, 2).

Language: English

Descriptors: U.S.A.; Water composition and quality;
Groundwater; Irrigation; Nitrogen; Public health; Water
pollution

105 NAL Call. No.: TD227.05A37
Impact of agricultural practices on subsurface water quality.
Miller, M.
Ontario? : s.n., 1988? :.; 1988.
Agricultural chemicals and water quality in Ontario : proc of
a workshop sponsored by the Ontario Water Management Res and
Services Committee : Nov 17-18, 1988, Kitchener, Ontario /
J.A. Stone and L.L. Logan (editors). p. 78-83; 1988. Includes
references.

Language: English

Descriptors: Ontario; Groundwater pollution; Surface water;
Pollution by agriculture; Nitrate nitrogen; Phosphorus;
Movement in soil; Fertilizer application; Manure spreading

106 NAL Call. No.: 290.9 AM32P
Impact of agricultural practices on tile water quality.
Fleming, R.J.
St. Joseph, Mich. : The Society; 1990.
Paper - American Society of Agricultural Engineers (90-2028):
9 p.; 1990. Paper presented at the "1990 International Summer
Meeting sponsored by the American Society of Agricultural
Engineers," June 24-27, Columbus, Ohio. Includes references.

Language: English

Descriptors: Ontario; Agricultural wastes; Manures; Nitrates;
Phosphorus; Pollutants

107 NAL Call. No.: 282.9 G7992
The impact of agriculture on water quality in the Great
Plains. Butters, G.; Hickman, J.; Van Schilfgaarde, J.;
Lacewell, R. Lincoln, Neb. : The Council; 1992.
Proceedings - Great Plains Agricultural Council. p. 26-38;
1992. Meeting held June 9-11, 1992 in Lincoln, Nebraska.
Includes references.

Language: English

Descriptors: Northern plains states of U.S.A.; Southern plains
states of U.S.A.; Water quality; Groundwater; Surface water;
Agricultural production; Environmental impact; Water supply;
Agricultural chemicals; Irrigation; Conservation tillage

108 NAL Call. No.: S600.6.D4
The impact of climate change from increased atmospheric carbon
dioxide on American agriculture.
Decker, Wayne L.; Jones, Vernon K.; Achutuni, Rao
United States, Dept. of Energy
Washington, D.C. : Office of Energy Research, Office of Basic
Energy Sciences, Carbon Dioxide Research Division, [1986?];
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v, 100 p. : ill., maps ; 28 cm. May 1986. DOE/NBB-0077.
Dist. Category UC-11. TR031. Contract No. W-7405-ENG-48.
Bibliography: p. 92-100.

Language: English

Descriptors: Crops and climate; United States; Atmospheric
carbon dioxide; Plants, Effect of carbon dioxide on;
Agricultural pollution; United States

109 NAL Call. No.: QH1.J62
The impact of hydroelectric development on the Amazonian
environment: with particular reference to the Tucurui Project.
Barrow, C.
Oxford : Blackwell Scientific Publications; 1988 Jan.
Journal of biogeography v. 15 (1): p. 67-78; 1988 Jan.
Includes references.

Language: English

Descriptors: Brazil; Hydroelectric schemes; Dams;
Environmental impact reporting; Flooding; Water resource
management

110 NAL Call. No.: HC79.E5N3
The impact on Mexico of the lining of the All-American Canal.
Calleros, J.R.
Albuquerque, N.M. : University of New Mexico School of Law;
1991. Natural resources journal v. 31 (4): p. 829-838; 1991.
Includes references.

Language: English

Descriptors: Mexico; U.S.A.; Canals; Linings; Aquifers;
Irrigation water; Environmental impact; Groundwater recharge;
Economic impact; Water quality

111 NAL Call. No.: 292.9 AM34
Implementation strategies for agricultural and silvicultural
nonpoint source pollution control in California and Wisconsin.
Spangenberg, N.E.
Minneapolis, Minn. : American Water Resources Association;
1987 Feb. Water resources bulletin v. 23 (1): p. 133-137; 1987
Feb. Includes references.

Language: English

Descriptors: California; Wisconsin; Pollution by agriculture;
Silviculture; Control methods; Water pollution; Watersheds;
Program evaluation; Water resource management

112 NAL Call. No.: HC55.N3
Improved efficiency in the management of water quality.
McClelland, N.I.
London : Graham & Trotman; 1987 Feb.
Natural resources forum v. 11 (1): p. 49-57; 1987 Feb.

Language: English

Descriptors: Developing countries; Argentina; Water resource
management; Water composition and quality; Irrigation; Water
supplies; Institutional administration; Regulations; Water
policy; Legislation; Water costs

113 NAL Call. No.: HC121.J68
In the vessel's wake: the U.N. Water Decade and its legacy.
Douglas, D.
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Grassroots development : journal of the Inter-American
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Language: English

Descriptors: Developing countries; Latin America; Water
quality; Water supply; Development projects; Development aid;
Sanitation; Rural development; Constraints

114 NAL Call. No.: 282.9 G7992
Industry perspective on environmental legislation affecting
agriculture. Gilding, T.J.
Lincoln, Neb. : The Council; 1990.
Proceedings - Great Plains Agricultural Council. p. 35-36;
1990. Meeting held June 5-7, 1990, Tulsa, Oklahoma.

Language: English

Descriptors: U.S.A.; Water quality; Environmental legislation;
Environmental protection; Pesticides

115 NAL Call. No.: 282.9 G7992
Industry role in sustainability of agriculture.
Gilding, T.J.
Lincoln, Neb. : The Council; 1990.
Proceedings - Great Plains Agricultural Council. p. 126-131;
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Language: English

Descriptors: U.S.A.; Sustainability; Pesticides; Water
quality; Chemical industry

116 NAL Call. No.: TC1.R4
Ingenieria hidraulica en Mexico [Hydraulic engineering in
Mexico].. Ingenieria hidraulica en Mexico (1985)
Mexico, Secretaria de Agricultura y Recursos Hidraulicos,
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Mexico : Comision del Plan Nacional Hidraulico, [1985?;-
1985-9999. Ingenieria hidraulica en Mexico (1985). v. : ill. ;
27 cm; 1985-9999.

Language: Spanish; Spanish

Descriptors: Hydraulic engineering; Water resources
development; Water-supply

117 NAL Call. No.: TD420.A1P7
Integrated Water Development Project of Gravatai River Basin,
Brazil. Aoki, R.
Oxford : Pergamon Press; 1987.
Water science and technology : a journal of the International
Association on Water Pollution Research and Control v. 19 (9):
p. 59-68. maps; 1987. Includes references.

Language: English

Descriptors: Brazil; Water resources; Water management;
Rivers; Watersheds; Projects; Government organizations

118 NAL Call. No.: TD420.A1P7
Integrated water development project of Gravatai River Basin,
Brazil. Aoki, R.
Oxford : Pergamon Press; 1987.
Water science and technology : a journal of the International
Association on Water Pollution Research v. 19 (9): p. 59-68.
maps; 1987.

Language: English

Descriptors: Brazil; River basins; Water resource management; History; Flood protection; Waste water treatment; Water supplies; Environmental protection

119 NAL Call. No.: TD420.A1P7
Integrated water resource management in Latin America and the Caribbean: opportunities and constraints.
Dourojeanni, A.; Nelson, M.
Oxford : Pergamon Press; 1987.
Water science and technology : a journal of the International Association on Water Pollution Research v. 19 (9): p. 201-210; 1987. Includes references.

Language: English

Descriptors: Latin America; Caribbean; Water resource management; Integrated methods; Water policy; Public agencies; Program evaluation; Population pressure

120 NAL Call. No.: 280.8 AM32
Interactions between agricultural and environmental policies: a conceptual framework.
Just, R.E.; Antle, J.M.
Nashville, Tenn. : American Economic Association; 1990 May.
The American economic review v. 80 (2): p. 197-202; 1990 May.
Includes references.

Language: English

Descriptors: U.S.A.; Agricultural policy; Pollution by agriculture; Models; Environmental protection; Mathematical models

121 NAL Call. No.: aSD11.A42 no.198
International Symposium, Integrated Management of Watersheds for Multiple Use March 26-30, 1990, Morelia, Mexico = Simposio Internacional: Manejo Integrado de Cuencas para Uso Multiple.. Simposio Internacional: Manejo Integrado de Cuencas para Uso Multiple
Gonzalez-Vicente, Carlos E.
Rocky Mountain Forest and Range Experiment Station (Fort Collins, Colo.), United States, Forest Service, Southwestern Region, Instituto Nacional de Investigaciones Forestales y Agropecuarias (Mexico)
International Symposium: Integrated Management of Watersheds for Multiple Use. Fort Collins, Colo. : Rocky Mountain Forest and Range Experiment Station,; 1990.
v, 190 p. : ill., maps ; 28 cm. (General technical report RM ; 198). October 1990. Includes bibliographical references.

Language: English

Descriptors: Integrated water development; Watershed management

122 NAL Call. No.: aSD11.U57
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Scatena, F.N.
New Orleans, La. : The Station; 1989 Mar.
General technical report SO - U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station (72): 22 p. ill., maps; 1989 Mar. Includes references.

Language: English

Descriptors: Puerto Rico; Tropical forests; Watersheds; Resource management; Resource utilization; Physiography; Geology; Land use; Land resources

123 NAL Call. No.: HD1755.A44
Irrigated agriculture and mineralized water: comment and discussion. Frederick, K.D.
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Agriculture and the environment / Tim T. Phipps, Pierre R. Crosson, and Kent A. Price, editors. p. 117-122; 1986. Paper presented at a conference on "Agriculture and the Environment," April, 1986, Washington, D.C. Includes references.

Language: English

Descriptors: Great basin and pacific slope; Western states of U.S.A.; California; Irrigated farming; Arid lands; Environmental pollution; Water composition and quality; Mineral content; Soil salinity; Cost benefit analysis; Environmental policy; Pollution by agriculture

124 NAL Call. No.: S616.P4H65
Irrigation in southern Peru the Chili basin.
Holmes, Roland C.
Chicago, Ill. : University of Chicago, Dept. of Geography, ; 1986. ix, 199 p. : ill., maps ; 23 cm. (Research paper (University of Chicago. Dept. of Geography) ; no. 212.).
Bibliography: p. 193-199.

Language: English; English

Descriptors: Irrigation farming; Peru; Chili River Watershed; Irrigation; Peru; Chili River Watershed; Agricultural geography; Peru; Chili River Watershed

125 NAL Call. No.: TC29.B35M87 1986

Irrigation in the Bajio region of colonial Mexico.
Murphy, Michael E.,
Boulder : Westview Press,; 1986.
xii, 226 p. : ill., maps ; 23 cm. (Dellplain Latin American
studies ; no. 19). Includes index. Bibliography: p.
[215]-223.

Language: English

Descriptors: Irrigation; Mexico; Bajio Region; Irrigation
farming; Mexico; Bajio Region; Water-supply; Mexico; Bajio
Region; Waterworks; Mexico; Bajio Region; Irrigation laws;
Mexico

126 NAL Call. No.: TD223.P39
Irrigation return flows and salinity problems in the Colorado
River Basin. El-Ashry, M.T.
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Water Regul and Standards; 1985.
Perspectives on nonpoint source pollution : proceedings of a
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Language: English

Descriptors: California; Mexico; River basins; River water;
Irrigation water; Water composition and quality; Salinity;
Control; Water conservation

127 NAL Call. No.: TC401.A5
Issues in water quality modeling of agricultural management
practices: an economic perspective.
Crowder, B.M.
Bethesda, Md. : The Association; 1987.
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series TPS (87-2): p. 313-327; 1987. Paper presented at the
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Quality," May 1987. Includes references.

Language: English

Descriptors: U.S.A.; Water composition and quality; Simulation
models; Pollution by agriculture; Environmental policy;
Hydrological models

128 NAL Call. No.: HC79.E5N3
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Albuquerque : University of New Mexico School of Law; 1985
Jul. Natural resources journal v. 25 (3): p. 713-772; 1985
Jul.

Language: English

Descriptors: Mexico; U.S.A.; Groundwater flow; International law; International agreements; Water resource management; Aquifers; Economic behavior

129 NAL Call. No.: TD223.N36 1992
The key to successful farmer participation in Florida's Rural Clean Water Program.
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Language: English

Descriptors: Florida; Water management; Water quality; Programs; Farmers; Participation

130 NAL Call. No.: 280.8 AM32
Limitations in evaluating environmental and agricultural policy coordination benefits.
Hrubovcak, J.; LeBlanc, M.; Miranowski, J.
Nashville, Tenn. : American Economic Association; 1990 May.
The American economic review v. 80 (2): p. 208-212; 1990 May.
Includes references.

Language: English

Descriptors: U.S.A.; Agricultural policy; Environmental policy; Agricultural chemicals; Pollution by agriculture; Program evaluation; Coordination; Cost benefit analysis; Indirect taxation

131 NAL Call. No.: TD420.A1P7
Management of water resources and eutrophication in the Federal District of Brazil.
Somlyody, L.; Altafin, I.
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Water science and technology : a journal of the International Association on Water Pollution Research and Control v. 26 (7/8): p. 1813-1822; 1992. In the series analytic: Water Quality International '92. Part 4 / edited by M. Suzuki, et al. Proceedings of the Sixteenth Biennial Conference of the International Association on Water Pollution Research and Control, held May 24-30, 1992, Washington, D.C. Includes references.

Language: English

Descriptors: Brazil; Reservoirs; Eutrophication; Water purification; Sewage; Waste treatment; Algae; Biomass production; Water resources; Management; Water quality; Models

132 NAL Call. No.: 292.9 AM34
Managing ground water quality in relation to agricultural activities. Magette, W.L.; Shirmohammadi, A.; Lessley, B.V.; Weismiller, R.A. Minneapolis, Minn. : American Water Resources Association; 1989 Jun. Water resources bulletin v. 25 (3): p. 599-606. ill; 1989 Jun. Includes references.

Language: English

Descriptors: U.S.A.; Groundwater; Water composition and quality; Pollution by agriculture; Water resource management; Environmental protection; Mathematical models; Data analysis; Rural areas

133 NAL Call. No.: aHN90.C6R78
Managing groundwater contamination in rural areas. Holmes, T.; Nielsen, E.; Lee, L. Washington, D.C. : U.S. Department of Agriculture, Economic Research Service; 1988 Oct. Rural development perspectives : RDP v. 5 (1): p. 35-40. ill., maps; 1988 Oct. Includes references.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Rural areas; Pollution by agriculture; Agricultural chemicals; Regulations; Population distribution; State government; Environmental legislation; Federal government; Environmental policy

134 NAL Call. No.: HC79.E5N3
Managing water resources in Latin America. Lee, T.R. Albuquerque, N.M. : University of New Mexico School of Law; 1990. Natural resources journal v. 30 (3): p. 581-607. maps; 1990. Literature review. Includes references.

Language: English

Descriptors: Latin America; Colombia; Argentina; Peru; Chile; Water management; Water resources; Water use; Irrigation systems; Public agencies; Regional development; Economic development; Project appraisal; Water policy; Regionalization; River valleys; Rivers; Case studies; Literature reviews

135 NAL Call. No.: 282.8 J82
A methodology for evaluating equity implications of environmental policy decisions in agriculture. Just, R.E.; Zilberman, D. Madison, Wis. : University of Wisconsin Press; 1988 Feb. Land economics v. 64 (1): p. 37-52; 1988 Feb. Includes references.

Language: English

Descriptors: U.S.A.; Farm management; Environmental legislation; Environmental policy; Pollution by agriculture; Agricultural credit; Stochastic models; Behavior patterns; Direct taxation; Standards; Risks; Uncertainties; Market competition; Income distribution

136 NAL Call. No.: 292.8 W295
Muddy water and American agriculture: How to best control sedimentation from agricultural land?.
Lovejoy, S.B.; Lee, J.G.; Beasley, D.B.
Washington, D.C. : American Geophysical Union; 1985 Aug.
Water resources research v. 21 (8): p. 1065-1068; 1985 Aug.
Includes references.

Language: English

Descriptors: U.S.A.; Agricultural land; Pollution by agriculture; Sedimentation; Mud; Water pollution; Environmental control; Hydrological models; Sociological analysis

137 NAL Call. No.: KF27.S3978 19891
The National Ground Water Research Act of 1989 joint hearing before the Subcommittee on Natural Resources, Agriculture Research, and Environment of the Committee on Science, Space, and Technology, and the Subcommittee on Department Operations, Research, and Foreign Agriculture of the Committee on Agriculture, U.S. House of Representatives, One Hundred First Congress, first session, August 2, 1989, October 3, 1989 United States. Congress. House. Committee on Science, Space, and Technology. Subcommittee on Natural Resources, Agriculture Research, and Environment; United States, Congress, House, Committee on Agriculture, Subcommittee on Department Operations, Research, and Foreign Agriculture
Washington [D.C.] : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.,; 1990; Y 4.Sci 2:101/105. v, 669 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. No. 105 (Committee on Science, Space, and Technology). No. 101-31 (Committee on Agriculture). Includes bibliographical references.

Language: English; English

Descriptors: Water, Underground; Law and legislation; United States; Water quality; Research; United States; Water resources development; Law and legislation; United States; Environmental law; United States

138 NAL Call. No.: S451.7.R5
Naturliche Grundlagen und agrarokologische Probleme im Soconusco und im Motozintla-Tal, Sudmexico [Natural elements and agroecological problems in Soconusco and the Motozintla valley, southern Mexico].

Richter, Michael
Stuttgart : Steiner Verlag Weisbaden,; 1986.
111 p., [1] folded leaf of plates : ill., maps ; 30 cm.
(Erdwissenschaftliche Forschung ; Bd. 20). Summary in
English. Bibliography: p. [110]-111.

Language: German; German

Descriptors: Agricultural ecology; Mexico

139 NAL Call. No.: HD1695.C7N49 1986
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xx, 253 p. : ill. ; 24 cm. Based on proceedings of the
Colorado River Working Symposium held at Bishop's Lodge, Santa
Fe, New Mexico, May 23-26, 1983. Includes bibliographies and
index.

Language: English; English

Descriptors: Colorado River (Colo.-Mexico); Water-rights;
Congresses; Water consumption; Colorado River Watershed
(Colo.-Mexico); Congresses; Water quality management; Colorado
River Watershed (Colo.-Mexico); Congresses; Water-supply;
Navajo Indian Reservation; Congresses

140 NAL Call. No.: 292.8 J82
El Nino and annual floods on the north Peruvian littoral.
Waylen, P.R.; Caviedes, C.N.
Amsterdam : Elsevier Scientific Publishers, B.V.; 1986 Dec.
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Includes references.

Language: English

Descriptors: Peru; Floods; Rivers; Precipitation;
Oceanography; Oceanic climate; Hydrology; Flooding;
Hydrological models

141 NAL Call. No.: QH104.5.G73N67 1989
Nitrogen and phosphorus dynamics and the fate of agricultural
runoff., 1st ed. Neely, R.K.; Baker, J.L.
Ames : Iowa State University; 1989.
Northern prairie wetlands / edited by Arnold Van der Valk. p.
92-131; 1989. Paper presented at the regional symposium held
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references.

Language: English

Descriptors: U.S.A.; Prairies; Wetlands; Fertilizer
application; Nitrogen; Phosphorus; Pesticides; Pollution by

agriculture; Runoff; Water pollution

142 NAL Call. No.: HC55.N3
Operation and maintenance of water projects and services in
Latin America. Planas, A.
Stoneham, Mass. : Butterworth-Heinemann Ltd; 1991 Aug.
Natural resources forum v. 15 (3): p. 228-234; 1991 Aug.

Language: English

Descriptors: Latin America; Water systems; Development
projects; Operation; Maintenance; Water policy; Culture; Human
resources; Technology

143 NAL Call. No.: 282.9 G7992
An overview of environmental issues and Great Plains
agriculture. Johnsrud, M.D.
Lincoln, Neb. : The Council; 1989.
Proceedings - Great Plains Agricultural Council. p. 1-6; 1989.

Language: English

Descriptors: Western states of U.S.A.; South central states of
U.S.A.; Environmental policy; Pollution by agriculture; Water
composition and quality; Product quality; Erosion; Drought;
Agricultural chemicals

144 NAL Call. No.: 290.9 AM32P
Overview of the rural clean water program.
Smolen, M.D.; Smith, D.A.
St. Joseph, Mich. : The Society; 1989.
Paper - American Society of Agricultural Engineers (89-2524):
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references.

Language: English

Descriptors: U.S.A.; Water quality; Agricultural wastes; Water
pollution; Erosion; Pesticides; Federal programs; Rural areas

145 NAL Call. No.: TD403.G7
Parametric modeling of the Upper Rio Cobre Basin.
Walters, M.O.
Dublin, Ohio : Water Well Journal Pub; 1987 Sep.
Ground water v. 25 (5): p. 527-534. maps; 1987 Sep. Includes
references.

Language: English

Descriptors: Jamaica; Groundwater; Hydrography; Aquifers;
Hydrological models; Watersheds; Groundwater level;

Groundwater recharge; Runoff; Parametric methods

146 NAL Call. No.: QE471.2.I568 1986
Particulate and dissolved materials in the Rio Negro-Amazon basin. Brinkmann, W.L.F.
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Language: English

Descriptors: Brazil; River basins; Dissolving; Materials; Suspensions; Sediments; Water composition and quality

147 NAL Call. No.: HD1.A3
Patterns of water availability for sunflower crops in semi-arid Central Argentina. A simulation-based evaluation of their interactions with cropping strategies and cultivar traits. Sadras, V.O.; Hall, A.J.
Essex : Elsevier Applied Science Publishers; 1989.
Agricultural systems v. 31 (2): p. 221-238; 1989. Includes references.

Language: English

Descriptors: Argentina centro; Helianthus annuus; Water availability; Water use efficiency; Semiarid climates; Cropping systems; Drought; Cultivars; Water supplies; Simulation models; Validity

148 NAL Call. No.: 282.9 G7992
Perspectives on environmental legislation relative to Great Plains agriculture: National Association of Wheat Growers. Wyckoff, R.
Lincoln, Neb. : The Council; 1990.
Proceedings - Great Plains Agricultural Council. p. 24-26; 1990. Meeting held June 5-7, 1990, Tulsa, Oklahoma.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Environmental legislation; Agricultural policy; Conservation

149 NAL Call. No.: S494.5.U72S87
Pesticides and suburban agriculture.
Van Driesche, R.G.; Carlson, J.; Ferro, D.N.; Clark, J.M.
Ankeny, Iowa : Soil and Water Conservation Society; 1987.
Sustaining agriculture near cities / edited by William Lockeretz. p. 49-63; 1987. Paper presented at the "National Conference on Sustaining Agriculture Near Cities," held

November 20-21, 1986, Boston, Massachusetts. Includes references.

Language: English

Descriptors: U.S.A.; Suburban areas; Farm enterprises; Pesticide residues; Pollution by agriculture; Public health legislation

150 NAL Call. No.: TD180.A3
Pesticides in forestry and agriculture: effects on aquatic habitats. Eidt, D.C.; Hollebone, J.E.; Lockhart, W.L.; Kingsbury, P.D.; Gadsby, M.C.; Ernst, W.R.
New York, N.Y. : John Wiley & Sons; 1989.
Advances in environmental science and technology v. 22: p. 245-283; 1989. In the series analytic: Aquatic toxicology and water quality management / edited by J.O. Nriagu and J.S.S. Lakshminarayana. Includes references.

Language: English

Descriptors: Canada; Pesticides; Agricultural chemicals; Forestry; Pollution by agriculture; Aquatic environment; Water pollution; Risks; Environmental protection; Regulations

151 NAL Call. No.: TC447.P5
Plan hidraulico del Jubones [Hydraulic plan for the Jubones River]. Instituto Ecuatoriano de Recursos Hidraulicos, Consejo Nacional de Desarrollo (Ecuador)
Ecuador? : INERHI, CONADE : Secretaria General de la Organizacion de los Estados Americanos, [1985?]; 1985.
3 v. : ill., maps (some col.) ; 32 cm. Includes bibliographical references.

Language: Spanish

Descriptors: Water resources development; Ecuador; Jubones River Watershed; Hydrology; Ecuador; Jubones River Watershed

152 NAL Call. No.: 292.9 AM34
The political economy of agriculture, ground water quality management, and agricultural research.
Roberts, R.S.; Lighthall, D.R.
Bethesda, Md. : American Water Resources Association; 1991
May. Water resources bulletin v. 27 (3): p. 437-446; 1991 May. Includes references.

Language: English

Descriptors: Corn belt of U.S.A.; Iowa; Groundwater pollution; Water quality; Agricultural chemicals; Agricultural production; Water management; Agricultural research; Agricultural policy

Abstract: The growing problem of nonpoint source ground water contamination from agricultural chemicals is conceptualized as an historical outcome of the production environment of capitalist agriculture in the Corn Belt. Chronic overproduction and ground water contamination reveal different aspects of the same technological treadmill. The debate over Iowa's 1987 Ground Water Protection Act symbolizes the contradiction between popular demand for clean water and structural limits on policymaking. Although the Act does provide for expanded research, education, and monitoring, a coalition of commercial farmers, local chemical dealers, and the national chemical industry defeated a tax on pesticide use. Analysis of alternate policy responses--Best Management Practices (BMPs), cross compliance, site-specific regulation of chemical use, and taxation of synthetic chemicals--reveals that all tend to founder on the same structural constraints. Without practical, profitable, low-input technologies that farmers, over time, would choose to adopt, both voluntary and regulatory approaches encounter major political or implementation difficulties. The public agricultural research agenda, therefore, emerges as a central control variable for ground water quality management and a central focus for political struggle.

153

NAL Call. No.: HD1773.A2N6

The political economy of water quality protection from agricultural chemicals. Abler, D.G.; Shortle, J.S. Morgantown, W.Va. : The Northeastern Agricultural and Resource Economics Association; 1991 Apr. Northeastern journal of agricultural and resource economics v. 20 (1): p. 53-60; 1991 Apr. Paper submitted in response to call for papers on the theme "The Effects of Agricultural Production on Environmental Quality.". Includes references.

Language: English

Descriptors: U.S.A.; Surface water; Groundwater; Water quality; Environmental protection; Economic evaluation; Politics; Environmental policy; Agricultural chemicals

154

NAL Call. No.: 281.8 C16

Pollution, agriculture and social welfare: the case of acid deposition. Adams, R.M.; Callaway, J.M.; McCarl, B.A. Ottawa : Canadian Agricultural Economics Society; 1986 Mar. Canadian journal of agricultural economics; Revue Canadienne d'economie rural v. 34 (1): p. 3-19; 1986 Mar. Includes 20 references.

Language: English

Descriptors: U.S.A.; Soybeans; Welfare economics; Pollution; Yield response functions; Acid rain; Economic impact; Yield losses

155 NAL Call. No.: TD420.A1P7 v.24 no.11
Pollution, protection and control of groundwater proceedings
of the IAWPRC International Seminar, held in Porto Alegre,
Brazil, 20-21 September 1990., 1st ed..

Goettens, Ellen M. P.

International Association on Water Pollution Research and
Control IAWPRC International Seminar 1990 : Porto Alegre,
Brazil. Oxford [England] ; New York : Pergamon Press,; 1990.
vii, 284 p. : ill., maps ; 25 cm. (Water science and
technology, v. 24, no. 11). "International Association on
Water Pollution Research and Control"--Cover. Includes
bibliographical references and index.

Language: English

Descriptors: Water, Underground

156 NAL Call. No.: HC79.E5E5
Potential of the Conservation Reserve Program to control
agricultural surface water pollution.

Lant, C.L.

New York, N.Y. : Springer-Verlag; 1991 Jul.

Environmental management v. 15 (4): p. 507-518; 1991 Jul.

Includes references.

Language: English

Descriptors: Illinois; Surface water; Water quality;
Watersheds; Farmland; Federal programs; Erosion; Floodplains;
Filters; Farm surveys; Agricultural policy

157 NAL Call. No.: TC401.I57 1987
Prehispanic water and land management in lowland Mesoamerica.
Siemens, A.H.

Rotterdam : A.A. Balkema; 1987.

Water for the future : Water resources developments in
perspective / proceedings of the International Symposium on
Water for the Future, Rome, 6-11 April 1987 ; edited by Walter
O. Wunderlich, J. Egbert Prins. p. 139-151. ill., maps; 1987.

Includes references.

Language: English

Descriptors: Central America; Water management; Land
management; Wetlands; Lowland areas; Canals; Cropping systems;
History

158 NAL Call. No.: 275.29 OK41C
Proceedings: water quality and agriculture's role for the
future. Stillwater, Okla. : The Service; 1989 Nov.

Circular E - Oklahoma State University, Cooperative Extension
Service (891): 97 p.; 1989 Nov.

Language: English

Descriptors: U.S.A.; Water quality; Agriculture; Roles

159 NAL Call. No.: TC441.P76
Projeto de recuperacao, conservacao e manejo dos recursos naturais em microbacias hidrograficas [Project for recovery, conservation and management of natural resources in hydrographic microbasins].
Santa Catarina (Brazil : State), Comissao Estadual de Planejamento Agricola, Instituto de Planejamento e Economia Agricola de Santa Catarina Florianopolis, SC [Brazil] : Instituto CEPA/SC : Instituto de Planejamento e Economia Agricola de Santa Catarina,; 1988.
5 v. : ill. ; 30 cm. Novembro/88. Includes bibliographical references.

Language: Portuguese

Descriptors: Water; Brazil; Santa Catarina; Management; Soil conservation; Brazil; Santa Catarina

160 NAL Call. No.: TD427.P35P7
Protecting ground water pesticides and agricultural practices. United States, Environmental Protection Agency, Office of Ground-Water Protection
Washington, D.C. : U.S. Environmental Protection Agency, Office of Water, Office of Ground-Water Protection,; 1988.
1 v. (various pagings) : ill. ; 28 cm. "February 1988"--Cover. "EPA 440/6-88-001"--Cover. Includes bibliographical references.

Language: English

Descriptors: Water, Underground; Pollution; United States; Pesticides; Environmental aspects; Agricultural pollution; United States

161 NAL Call. No.: 275.29 F22
Protecting water resources from agricultural pollution: research and education--alternatives to regulation.
Offutt, S.
Oak Brook, Ill. : Farm Foundation; 1989.
Increasing understanding of public problems and policies. p. 135-143; 1989. Paper presented at the 39th National Public Policy Education Conference, September 18-21, 1989, New Orleans, Louisiana. Includes references.

Language: English

Descriptors: U.S.A.; Groundwater; Water pollution; Water quality; Environmental protection; Environmental legislation; Agricultural wastes

162

NAL Call. No.: 407 G29W

Puerto Rico: ground-water quality.

Zack, A.; Rodriguez-Alonso, T.; Roman-Mas, A.

Washington, D.C. : U.S. Government Printing Office; 1988.

Geological survey-water supply paper (2325): p. 437-442. ill., maps; 1988. Includes references.

Language: English

Descriptors: Puerto Rico; Groundwater pollution; Water composition and quality; Aquifers; Waste disposal; Sites; Quality controls; Land use

163

NAL Call. No.: HD1690.5.W3 1987

Range management in arid regions as related to water conservation and use., 1st ed.

Gonzalez, M.H.

College Station : Texas A&M University Press; 1987.

Water and water policy in world food supplies : proceedings of the conference, May 26-30, 1985, Texas A&M University, College Station, Texas / editor, Wayne R. Jordan. p. 97-102; 1987.

Includes references.

Language: English

Descriptors: Western states of U.S.A.; Mexico; South central states of U.S.A.; Rangelands; Arid lands; Semiarid zones; Soil and water conservation; Water use; Range management; Rain

164

NAL Call. No.: HT401.R94

Reduced-input agricultural systems: a critique.

Buttel, F.H.; Gillespie, G.W. Jr

University Park, Pa. : Rural Sociological Society; 1986 Sep.

The Rural sociologist v. 6 (5): p. 350-370; 1986 Sep.

Includes references.

Language: English

Descriptors: U.S.A.; Alternative farming; Organic farming; Regeneration; Farm management; Innovation adoption; Farmers' attitudes; Environmental pollution; Pollution by agriculture; Farm size; Literature reviews

165

NAL Call. No.: GB1016.E3 1987

Regional options for ground water quality management in relation to agricultural activities.

Magette, W.L.; Shirmohammadi, A.; Lessley, B.V.; Weismiller, R.A. Dublin, OH : National Water Well Association; 1987.

Proceedings of the Fourth Annual Eastern Regional Ground Water Conference : July 14-16, 1987, Radisson Hotel, Burlington, Vermont / co-sponsored by the Association of Ground Water Scientists and Engineers ... [et al.].. p. 317-327; 1987.

Includes references.

Language: English

Descriptors: U.S.A.; Groundwater pollution; Pollution by agriculture; Water management; Water policy; Agricultural land; Land use planning; Regional policy; Educational programs

166 NAL Call. No.: 56.8 J822

Regional water quality impacts of intensive row-crop agriculture: a Lake Erie Basin case study.

Baker, D.B.

Ankeny, Iowa : Soil Conservation Society of America; 1985 Jan. Journal of soil and water conservation v. 40 (1): p. 125-132. ill., maps; 1985 Jan. Includes 39 references.

Language: English

Descriptors: U.S.A.; Lakes; Pollution by agriculture; Rowcrops; Water composition and quality; Phosphorus residual effect

167 NAL Call. No.: S601.A34

Research and extension efforts for improving agricultural sustainability in the north central and northeastern United States.

Liebman, M.

Amsterdam : Elsevier; 1992 Mar31.

Agriculture, ecosystems and environment v. 39 (1/2): p. 101-122; 1992 Mar31. Special Issue: Sustainable Agriculture. Literature review. Includes references.

Language: English

Descriptors: North central states of U.S.A.; Northeastern states of U.S.A.; Agricultural production; Farming systems; Alternative farming; Traditional farming; Sustainability; Farm structure; Environmental impact; Erosion; Water pollution; Agricultural chemicals; Pesticides; Agricultural research; Agricultural education; Cropping systems; Literature reviews

168 NAL Call. No.: TD353.R44

Resource mobilization for drinking water and sanitation in developing nations proceedings of the international conference.

Montanari, F. W.

American Society of Civil Engineers, Water Resources Planning and Management Division, American Society of Civil Engineers, Environmental Engineering Division, International Drinking Water Supply and Sanitation Decade (1981-1990)

ASCE International Conference on Resource Mobilization for Drinking Water Supply and Sanitation in Developing Nations 1987 : San Juan, P.R. New York, N.Y. : American Society of Civil Engineers,; 1987. 744 p. : ill., maps ; 21 cm. "The ASCE International Conference on Resource Mobilization for Drinking Water Supply and Sanitation in Developing countries

was held ... in San Juan, Puerto Rico, May 26-29, 1987"--
Abstract. A contribution to the International Drinking Water
Supply and Sanitation Decade. Includes bibliographies and
indexes.

Language: English

Descriptors: Water-supply; Developing countries; Congresses;
Sanitation engineering; Developing countries; Congresses

169 NAL Call. No.: S932.W6S74 1987
Resource policy perspectives STEWARD Conference.
University of Wisconsin--Madison, Center for Resource Policy
Studies and Programs
STEWARD Conference 1987 : Madison, Wis.
Madison, Wis. : The Center, ; 1987.
108 leaves ; 28 cm. March 28, 1987. Includes bibliographic
references.

Language: English; English

Descriptors: Natural resources; Wisconsin; Congresses;
Conservation of natural resources; Wisconsin; Congresses;
Wildlife conservation; Wisconsin; Congresses; Recreation;
Wisconsin; Congresses; Forests and forestry; Wisconsin;
Congresses; Water quality; Wisconsin; Congresses

170 NAL Call. No.: KF27.A33277 1988b
Review of ground water quality concerns hearings before the
Subcommittee on Department Operations, Research, and Foreign
Agriculture of the Committee on Agriculture, House of
Representatives, One Hundredth Congress, first and second
sessions, October 12, 1987, Humboldt, IA; October 27 and
December 9, 1987; March 29 and May 24, 1988.
United States. Congress. House. Committee on Agriculture.
Subcommittee on Department Operations, Research, and Foreign
Agriculture
Washington [D.C.] : U.S. G.P.O. : For sale by the Supt. of
Docs., Congressional Sales Office, U.S. G.P.O., ; 1989; Y 4.Ag
8/1:100-95. v, 615 p. : ill., forms, maps ; 24 cm.
Distributed to some depository libraries in microfiche.
Serial no. 100-95. Includes bibliographies.

Language: English; English

Descriptors: Water, Underground; United States; Quality;
Water, Underground; Pollution; United States; Water quality
management; United States; Agricultural chemicals;
Environmental aspects; United States

171 NAL Call. No.: VtUTD883.7.C22Q42 1988 v.
Revue de presse quotidienne sommaire : revue de presse
speciale : pollution agricole au Quebec [Review of daily
newspapers].. Pollution agricole au Quebec

Quebec (Province), Ministere de l'agriculture, des pecheries
et de l'alimentation, Direction des communications
S.l. : The Directorate,; 1988.
v. : ill. ; 28 cm. Cover title. Photocopies of clippings
from Quebec press.

Language: French; French; English

Descriptors: Agricultural pollution; Quebec (Province); Air;
Pollution; Environmental aspects; Quebec (Province)

172 NAL Call. No.: aSD11.A42
Rio Yaqui Watershed, northwestern Mexico: use and management.
Bojorquez, L.; Aguirre, R.; Ortega, A.
Fort Collins, Colo. : The Station; 1985.
General technical report RM - Rocky Mountain Forest and Range
Experiment Station, United States, Forest Service (120): p.
475-478; 1985. Paper presented at the "Conference on Riparian
Ecosystems and their Management: Reconciling Conflicting
Uses," April 16-18, 1985, Tucson, Arizona. Includes
references.

Language: English

Descriptors: Mexico; Watersheds; Watershed management; Plant
communities; Botanical composition; Land use

173 NAL Call. No.: QH345.B564
Riparian nitrogen dynamics in two geomorphologically distinct
tropical rain forest watersheds: nitrous oxide fluxes.
Bowden, W.B.; McDowell, W.H.; Asbury, C.E.; Finley, A.M.
Dordrecht : Kluwer Academic Publishers; 1992.
Biogeochemistry v. 18 (2): p. 77-99; 1992. Includes
references.

Language: English

Descriptors: Puerto Rico; Biogeochemistry; Denitrification;
Groundwater; Hydrology; Nitrification; Nitrogen cycle; Nitrous
oxide; Riparian forests; Solutes; Tropical rain forests;
Watersheds

174 NAL Call. No.: QH345.B564
Riparian nitrogen dynamics in two geomorphologically distinct
tropical rain forest watersheds: subsurface solute patterns.
McDowell, W.H.; Bowden, W.B.; Asbury, C.E.
Dordrecht : Kluwer Academic Publishers; 1992.
Biogeochemistry v. 18 (2): p. 53-75. maps; 1992. Includes
references.

Language: English

Descriptors: Puerto Rico; Groundwater; Hydrology; Ammonium;
Nitrates; Nitrogen cycle; Leaching; Soil texture; Water

quality; Watersheds; Tropical rain forests

175 NAL Call. No.: TC423.W39 1985
The role of multiple level hydrologic analysis in watershed management--a case study in Trinidad.
Shrivastava, G.S.
New York, N.Y. : ASCE; 1985.
Watershed management in the eighties : proceedings of a symposium, Denver, Colorado, April 30-May 1, 1985 / edited by E. Bruce Jones and Timothy J. Ward. p. 234-239. maps; 1985.
Includes references.

Language: English

Descriptors: Trinidad and tobago; Watershed management;
Rivers; Floods; Stream flow; Hydrology

176 NAL Call. No.: SB110.I58 1988
Runoff of agricultural chemicals from dryland cropping systems. Smith, S.J.; Sharpley, A.N.; Jones, O.R.; Berg, W.A.; Williams, J.R. Bushland : Texas Agricultural Experiment Station, [1990?]; 1988. Challenges in dryland agriculture : a global perspective : proceedings of the International Conference on Dryland Farming, August 15-19, 1988, Amarillo/Bushland, Texas, U.S.A.. p. 694-696; 1988. Includes references.

Language: English

Descriptors: Southern plains states of U.S.A.; Agricultural chemicals; Runoff; Watersheds; Dry farming; Water quality; Soil fertility

177 NAL Call. No.: aTD428.A37L5
The Rural Clean Water Program a report.. Report on the Rural Clean Water Program
Little, Charles E.
United States, Dept. of Agriculture, United States, Environmental Protection Agency, Soil and Water Conservation Society (U.S.)
Washington, D.C.? : U.S. Dept. of Agriculture : U.S. Environmental Protection Agency,; 1989.
iii, 26 p. : col. ill. ; 28 cm. "Report on the Rural Clean Water Program"--P. [3] of cover. "May 1989"--P. [3] of cover.
Includes bibliographical references (p. 26).

Language: English

Descriptors: Agricultural pollution; United States;
Agriculture and state; United States; Water quality management; United States; Water; Pollution; United States

178 NAL Call. No.: 56.8 J822

Rural clean water the Okeechobee story.

Little, C.E.

Ankeny, Iowa : Soil Conservation Society of America; 1988 Sep.
Journal of soil and water conservation v. 43 (5): p. 386-390.
ill; 1988 Sep.

Language: English

Descriptors: Florida; Water composition and quality; Rural
areas; Usda; Water policy; Program evaluation; Water
conservation; Water pollution; Pollution by agriculture;
Phosphorus; Dairies; Farmers' attitudes

179

NAL Call. No.: 56.8 J822

Salinity pollution from irrigated agriculture.

El-Ashry, M.T.; Van Schilfgaarde, J.; Schiffman, S.

Ankeny, Iowa : Soil Conservation Society of America; 1985 Jan.
Journal of soil and water conservation v. 40 (1): p. 48-52.
maps; 1985 Jan. Includes references.

Language: English

Descriptors: Western states of U.S.A.; Water pollution;
Salinity; Pollution by agriculture; Irrigation; Yield losses;
Control methods; Legislation

180

NAL Call. No.: HD1690.5.W3 1987

Salinity problems in food production of the Mexican irrigation
districts., 1st ed.

Aceves-Navarro, E.

College Station : Texas A&M University Press; 1987.

Water and water policy in world food supplies : proceedings of
the conference, May 26-30, 1985, Texas A&M University, College
Station, Texas / editor, Wayne R. Jordan. p. 129-133. maps;
1987. Includes references.

Language: English

Descriptors: Mexico; Soil salinity; Salts in soil; Food
production; Irrigation; World food problems; Groundwater; Land
productivity; Water composition and quality; Soil reclamation

181

NAL Call. No.: 407 G29W no.2326-B

Sedimentary structures and textures of Rio Orinoco channel
sands, Venezuela and Colombia.

McKee, Edwin Dinwiddie,

Venezuela, Ministerio del Ambiente y de los Recursos Naturales
Renovables, Geological Survey (U.S.)

Washington [D.C.] : U.S. G.P.O. ; Denver, CO : For sale by the
Books and Open-File Reports Section, U.S. Geological Survey
[distributor]; 1989. viii, 23 p. : ill. (some col.), maps ;
28 cm. (U.S. Geological Survey water-supply paper ; 2326-B The
Waters and sediments of the Rio Orinoco and its major
tributaries, Venezuela and Colombia ; ch. B). Bibliography:

p. 23.

Language: English

Descriptors: Sedimentation and deposition; Venezuela; Orinoco River

182 NAL Call. No.: TX252.J67
Sistemas de agua potable por gravedad para poblaciones rurales [Potable water systems by gravity for rural populations].
Jordan, Thomas T.,
Lima, Peru : Tecnologia Intermedia,; 1988.
292 p. : ill. ; 21 cm.

Language: Spanish

Descriptors: Water; Peru; Distribution; Handbooks, manuals, etc; Drinking water; Peru; Handbooks, manuals, etc; Water-pipes; Peru; Handbooks, manuals, etc

183 NAL Call. No.: 340.9 W52
Snow accumulation and ablation on adjacent forested and clearcut sites in southeastern British Columbia.
Toews, D.A.A.; Gluns, D.R.
Ft. Collins : The Conference; 1986 Apr.
Proceedings - Western Snow Conference. p. 101-111; 1986 Apr.
Includes references.

Language: English

Descriptors: British Columbia; Snow; Forests; Clearcutting; Meltwater

184 NAL Call. No.: TD420.A1P7
Socio-economic development level and technology policies for water resources management.
Tsuzuki, G.
Oxford : Pergamon Press; 1987.
Water science and technology : a journal of the International Association on Water Pollution Research and Control v. 19 (9): p. 273-276; 1987. Includes references.

Language: English

Descriptors: Brazil; Water resources; Water management; Water use; Government; Policy; Data analysis; Information storage; Computers

185 NAL Call. No.: FICHE S-72
Solutions to agricultural water pollution: planning and operational issues. Becker, J.C.; Shortle, J.S.
St. Joseph, Mich. : The Society; 1986.
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collection) (fiche no. 86-2624): 13 p.; 1986. Paper presented at the 1986 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. Includes references.

Language: English

Descriptors: U.S.A.; Pollution by agriculture; Water pollution; Planning; Programs; Legislation

186 NAL Call. No.: HD1761.U17
Some rays of hope for agriculture and the environment.
Phipps, T.T.
Washington, D.C. : National Center for Food and Agric Policy, Resources for the Future; 1988.
U.S. agriculture in a global setting : an agenda for the future / M. Ann Tutwiler, editor. p. 186-202; 1988. Includes references.

Language: English

Descriptors: U.S.A.; Environmental protection; Pollution by agriculture; Wetlands; Wildlife conservation; Erosion; Soil and water conservation; Alternative farming; Fertilizer industry; Pesticide industry

187 NAL Call. No.: S622.2.N3 1987
State financial incentives to reduce agricultural nonpoint source pollution. Massey, D.T.
St. Joseph, Mich. : American Society of Agricultural Engineers; 1987. Optimum erosion control at least cost : proceedings of the National Symposium on Conservation Systems, December 14-15, 1987, Hyatt Regency Chicago in Illinois Center. p. 32-41; 1987. (ASAE publication ; 08-87).
Literature review. Includes references.

Language: English

Descriptors: U.S.A.; Pollution by agriculture; States; Incentives; Soil conservation; Funds

188 NAL Call. No.: TD225.R53E28
The state of the Rio Grande/Rio Bravo a study of water resource issues along the Texas/Mexico border.
Eaton, David J.; Andersen, John M.
Tucson : University of Arizona Press, ; 1987.
xxiv, 331 p. : ill., maps ; 24 cm. (Profmex monograph series).
Includes index. Bibliography: p. 307-323.

Language: English

Descriptors: Water-supply; Rio Grande Watershed; Water consumption; Rio Grande Watershed; Water quality management; Rio Grande Watershed

189 NAL Call. No.: aHD1751.A42
Sustainable agriculture: What's it all about?.
Gajewski, G.; Calvin, L.; Vandeman, A.; Vasavada, U.
Rockville, Md. : The Service; 1992 May.
Agricultural outlook AO - U.S. Department of Agriculture,
Economic Research Service (185): p. 30-33; 1992 May.

Language: English

Descriptors: U.S.A.; Sustainability; Environmental impact; Food supply; Demand; Production costs; Water quality; Farm management

190 NAL Call. No.: QH540.U562 no.88(36)
Tamaulipan brushland of the lower Rio Grande Valley of south Texas description, human impacts, and management options.
Jahrsdoerfer, Sonja E.; Leslie, David M.
Oklahoma Cooperative Fish and Wildlife Research Unit
Washington, DC : U.S. Dept. of the Interior, Fish and Wildlife Service ; Springfield, VA : Available from N.T.I.S.,; 1988; I 49.89/2:88 (36). viii, 63, [1] p. : ill., maps ; 28 cm.
(Biological report ; 88(36)). "[Performed by] U.S. Fish and Wildlife Service, Oklahoma Cooperative Fish and Wildlife Research Unit"--Rept. November 1988. Includes index.
Bibliography: p. 43-61.

Language: English; English

Descriptors: Shrubland ecology; Rio Grande Valley; Shrubland ecology; Mexico; Tamaulipas; Man; Influence on nature; Rio Grande Valley; Man; Influence on nature; Mexico; Tamaulipas

191 NAL Call. No.: HC55.N3
Ten years after Mar del Plata.
Brewster, M.; Solanes, M.
London : Graham & Trotman; 1987 Aug.
Natural resources forum v. 11 (3): p. 251-258; 1987 Aug.

Language: English

Descriptors: Argentina; Water resource management; Resource development; Conferences; Development projects; Financial planning; Human resources; Water composition and quality; Flooding; Drought

192 NAL Call. No.: 475 EX7
Towards a water balance in the central Amazonian region.
Leopoldo, P.R.; Franken, W.; Salati, E.; Ribeiro, M.N.
Basel : Birkhauser; 1987 Mar15.

Experientia v. 43 (3): p. 222-233. ill., maps; 1987 Mar15.
Includes references.

Language: English

Descriptors: Brazil; Water balance; River water; Water budget;
Precipitation; Hydrological factors; Deforestation

193 NAL Call. No.: TD428.A37T695 1989
Toxic substances in agricultural water supply and drainage an
international environmental perspective : papers from the
Second Pan-American Regional Conference of the International
Commission on Irrigation and Drainage, Ottawa, Canada, June
8-9, 1989.

Summers, Joseph B.; Anderson, Susan S.
International Commission on Irrigation and Drainage. Pan-
American Regional Conference 1989 : Ottawa, Ont.); U.S.
Committee on Irrigation and Drainage, International Commission
on Irrigation and Drainage, International Commission on
Irrigation and Drainage, Canadian National Committee on
Irrigation and Drainage
Denver, Colo. : U.S. Committee on Irrigation and Drainage,;
1989. vi, 424 p. : ill., maps ; 22 cm. Summaries in French
and Spanish. Includes bibliographies.

Language: English

Descriptors: Drainage; Environmental aspects; Congresses;
Water; Pollution; Toxicology; Congresses; Irrigation water;
Environmental aspects; Congresses; Agricultural pollution;
Environmental aspects; Congresses

194 NAL Call. No.: TD428.A37T69 1988
Toxic substances in agricultural water supply and drainage
searching for solutions : report of the 1987 panel of experts
and papers from the 1987 national meeting, Las Vegas, Nevada,
December 2-4, 1987.. USCID 1987 national meeting

Summers, Joseph B.; Anderson, Susan S.
U.S. Committee on Irrigation and Drainage
Denver, Colo. : The Committee,; 1988.
vii, 167 p. : ill. ; 22 cm. Spine title: USCID 1987 national
meeting. Includes bibliographies.

Language: English; English

Descriptors: Agricultural pollution; Environmental aspects;
United States; Congresses; Water; Pollution; United States;
Toxicology; Congresses; Irrigation water; Environmental
aspects; United States; Congresses; Drainage; Environmental
aspects; United States; Congresses; Water quality management;
United States; Congresses

195 NAL Call. No.: G3.N3
Traditional water-harvesting systems in northwest Mexico.

Fish, G.
Washington, D.C. : The National Geographic Society; 1985.
National Geographic Society Research Reports v. 21: p.
149-154. maps; 1985.

Language: English

Descriptors: Mexico; Water harvesting; Ecology; Geographical
distribution; Irrigated sites; Marginal farms

196 NAL Call. No.: HC79.E5N3
Transboundary groundwaters: the Bellagio Draft Treaty.
Hayton, R.D.; Utton, A.E.
Albuquerque, N.M. : University of New Mexico School of Law;
1989. Natural resources journal v. 29 (3): p. 663-722; 1989.
Includes references.

Language: English

Descriptors: U.S.A.; Mexico; Surface water; Groundwater; Water
supplies; International agreements; International law; Water
law; Right of access; Boundaries; Water policy; Water use
efficiency; Water resource management

197 NAL Call. No.: HC79.E5N3
Transboundary liability goes with the flow? Gasser V. United
States: the use and misuse of a treaty.
Morgan, A.M.
Albuquerque, N.M. : University of New Mexico School of Law;
1990. Natural resources journal v. 30 (4): p. 955-968. maps;
1990.

Language: English

Descriptors: U.S.A.; Mexico; Rivers; Water use; Right of
access; International agreements; Dams; Flooding; Legal
liability; Courts; Decision making

198 NAL Call. No.: 292.9 AM34
Tropical eutrophic lake modeling and parameter discrimination.
Jaffe, P.R.
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1988 Jun. Water resources bulletin v. 24 (3): p. 585-592; 1988
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Language: English

Descriptors: Venezuela; Lakes; Tropics; Water composition and
quality; Hydrobiology; Eutrophication; Trends; Data analysis;
Models; Parametric methods; Uncertainties; Discriminant
analysis

199 NAL Call. No.: TC401.A5 no.90-2

Tropical hydrology and Caribbean water resources proceedings of the International Symposium on Tropical Hydrology and Fourth Caribbean Islands Water Resources Congress.

Krishna, J. H.

American Water Resources Association, Geological Survey (U.S.), Water Resources Division
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Includes bibliographical references and index.

Language: English

Descriptors: Hydrology; Water resources development; Water quality management

200

NAL Call. No.: TD223.P39

U.S. Department of Agriculture's perspective on silvicultural nonpoint source water quality.

Beasley, J.L.; Harper, W.C.

Washington, D.C. : U.S. Environ Protection Agency, Office of Water Regul and Standards; 1985.

Perspectives on nonpoint source pollution : proceedings of a national conference, Kansas City, Missouri, May 19-22, 1985. p. 321-324; 1985.

Language: English

Descriptors: U.S.A.; Silviculture; Forest services; Usda; Water composition and quality; Water resource management

201

NAL Call. No.: KF27.A3226 1992d

U.S. General Accounting Office's review of the Rural Electrification Administration's use of cash or cash equivalents, and U.S. Department of Agriculture's water quality programs hearing before the Subcommittee on Conservation, Credit, and Rural Development of the Committee on Agriculture, House of Representatives, One Hundred Second Congress, second session, May 20, 1992.. US General Accounting Office's review of the Rural Electrification Administration's use of cash ...

United States. Congress. House. Committee on Agriculture. Subcommittee on Conservation, Credit, and Rural Development
Washington : U.S. G.P.O. : For sale by the U.S. G.P.O., Supt. of Docs., Congressional Sales Office,; 1992; Y 4.AG 8/1:102-73.

iii, 198 p. ; 23 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 93-0016-P. Serial no. 102-73. Includes bibliographical references.

Language: English

Descriptors: Rural development; Rural telephone; Agricultural pollution; Water quality management

202 NAL Call. No.: 407 G29W
U.S. Virgin Islands: ground-water quality.
Zack, A.; Rodriguez-Alonso, R.; Roman-Mas, A.
Washington, D.C. : U.S. Government Printing Office; 1988.
Geological survey-water supply paper (2325): p. 489-492. ill., maps; 1988. Includes references.

Language: English

Descriptors: United states virgin Islands; Groundwater pollution; Water composition and quality; Aquifers; Waste disposal; Sites; Quality controls; Land use

203 NAL Call. No.: aTD223.A1U7
USDA research plan for water quality.
United States, Agricultural Research Service, United States, Cooperative State Research Service
Washington, D.C. : USDA, 1989?; 1989.
14 p. : col. ill., col. map ; 28 cm. Cover title.
Bibliography: p. 14.

Language: English; English

Descriptors: Water quality; United States; Water, Underground; United States; Quality

204 NAL Call. No.: GB500.M68
The use and conservation of natural resources in the Andes of southern Ecuador.
White, S.; Maldonado, F.
Berkeley, Calif. : University of California Press; 1991 Feb.
Mountain research and development v. 11 (1): p. 37-55. maps; 1991 Feb. Includes references.

Language: English

Descriptors: Ecuador; Mountain areas; Natural resources; Resource utilization; Soil resources; Vegetation; Water resources; Environmental degradation; Resource conservation; Water erosion; Erosion control; Land use; Farmland; Soil conservation; Watersheds

205 NAL Call. No.: HC79.E5N3
The use of water pricing as a means for enhancing water use efficiency in irrigation: case studies in Mexico and the United States. Cummings, R.G.; Nercissiantz, V.
Albuquerque, N.M. : University of New Mexico School of Law; 1992. Natural resources journal v. 32 (4): p. 731-755; 1992. Includes references.

Language: English

Descriptors: Mexico; U.S.A.; Irrigation water; Water costs;
Water use efficiency; Case studies; Water policy

206 NAL Call. No.: TD201.I56
User participation and implementation strategies in water and
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Surrey : Butterworth Scientific Ltd; 1987.
International journal of water resources development v. 3 (1):
p. 23-30; 1987. Includes references.

Language: English

Descriptors: Africa; Asia; Central America; Water pollution;
Water use; Sanitation; Waste disposal; Environmental
protection

207 NAL Call. No.: TD420.A1P7 v.20, no.10
Waste management in petrochemical complexes proceedings of the
IAWPRC Seminar held in Porto Alegre, Rio Grande do Sul,
Brazil, 26-28 October 1987., 1st. ed..
Almeida, Sergio A. S.; Flores, Paraguassu G.; Goettems, Ellen
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vii, 286 ix-xvii p. : ill., maps ; 25 cm. (Water science and
technology, v. 20, no. 10). Includes bibliographies and
index.

Language: English

Descriptors: Petroleum chemicals industry; Environmental
aspects; Congresses; Water; Pollution; Congresses; Oil
Pollution of water; Congresses; Hazardous substances;
Congresses; Hazardous wastes; Congresses

208 NAL Call. No.: TD420.A1P7
Wastewater treatment and reuse aspects of Lake Valencia,
Venezuela. Lansdell, M.; Carbonell, L.M.
Oxford : Pergamon Press; 1991.
Water science and technology : a journal of the International
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Proceedings of the International Symposium of Wastewater
Reclamation and Reuse, September 24-26, 1991, Costa Brava,
Spain. Includes references.

Language: English

Descriptors: Venezuela; Waste water treatment; Water reuse;
Lakes; Irrigation water; Drinking water; Water resources;
Water quality

209 NAL Call. No.: aSD11.U57 no.63
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Lugo, Ariel E.
Southern Forest Experiment Station (New Orleans, La.).
New Orleans, La. : U.S. Dept. of Agriculture, Forest Service,
Southern Forest Experiment Station,; 1986.
17 p. : ill. ; 28 cm.. (General technical report SO ; 63).
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Language: English

Descriptors: Freshwater ecology; Puerto Rico; Luquillo
Experimental Forest; Forests and forestry; Tropics

210 NAL Call. No.: HD1690.5.W3 1987
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America., 1st ed. Curtin, M.E.
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Language: English

Descriptors: Latin America; Water management; Development
projects; History; Economic growth; Irrigation; Agricultural
production; Food production

211 NAL Call. No.: 81 L95
Water from the Rio Grande: the only game in town.
Hinojosa, J. IV
Weslaco, Tex. : The Society; 1987.
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Language: English

Descriptors: Texas; Mexico; Water resource management; Water
use; Rivers; Water supplies; Legal rights; Legislation;
Ownership; Water allocation; International agreements

212 NAL Call. No.: HC55.N3
Water management since the adoption of the Mar del Plata
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Lee, T.
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Language: English

Descriptors: Africa; Asia; Latin America; Caribbean; Water management; Water policy; Un; Water resources; Development plans

213 NAL Call. No.: HT401.S72 no.84
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Language: English

Descriptors: Water quality; Southern States; Congresses

214 NAL Call. No.: 275.29 OK41C
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Language: English

Descriptors: U.S.A.; Water quality; Agriculture

215 NAL Call. No.: 100 M693Sp no.394
Water quality and soil conservation conflicts of rights issues : report of Seminar on Agricultural Marketing and Policy, College of Agriculture and Extension Division, University of Missouri, November 17-18, 1988, Columbia, Missouri.
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Language: English

Descriptors: Water quality; Congresses; Soil conservation; Environmental aspects; Congresses

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NAL Call. No.: S495.5.W382 1992

Water quality information on USDA's water quality cost-share programs : fact sheet for the Chairman, Committee on Agriculture, Nutrition, and Forestry, U.S. Senate..
Information on USDA's water quality cost-share programs United States, General Accounting Office, United States, Congress, Senate, Committee on Agriculture, Nutrition, and Forestry Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20877) : The Office [distributor,; 1992; GA 1.13:RCED-92-139FS. 19 p. ; 28 cm. Cover title. March 1992. GAO/RCED-92-139FS. "B-247791"--P. [1].

Language: English; English

Descriptors: Federal aid to water quality management; Water-supply, Agricultural

217

NAL Call. No.: 1.90 C20U8

Water quality legislation affecting agriculture.
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Washington, D.C. : The Department; 1989.
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Language: English

Descriptors: U.S.A.; Water composition and quality; Legislation; Environmental pollution; Pollution by agriculture; Sediment pollution; Agricultural chemicals; Farm sector; Structural change

218

NAL Call. No.: 1.90 C20U8

Water quality legislation: implications for agriculture.
Reichelderfer, K.
Washington, D.C. : The Department; 1990 Apr.
Outlook - Proceedings, Agricultural Outlook Conference, U.S. Department of Agriculture. p. 417-422; 1990 Apr. Includes references.

Language: English

Descriptors: U.S.A.; Water composition and quality; Water law; Pollution by agriculture

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NAL Call. No.: QE1.G38

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Maos, J.O.
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Language: English

Descriptors: Peru; Coastal areas; Deserts; Irrigated farming; Agricultural development; Water storage; Hydroelectric schemes; Rural settlement

220 NAL Call. No.: HD1696.5.L37L44
Water resources management in Latin America and the Caribbean.
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Language: English

Descriptors: Water resources development; Government policy; Latin America; Water resources development; Government policy; Caribbean Area; Water resources development; Government policy; Latin America; Case studies; Water resources development; Government policy; Caribbean Area; Case studies

221 NAL Call. No.: HC55.N3
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Language: English

Descriptors: United states virgin Islands; Water resources; Water costs; Recovery; Islands; Demand; Water management; Case studies; Water supply; Rural urban relations

222 NAL Call. No.: 292.8 J82
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Language: English

Descriptors: Bolivia; Water resources; River basins; Water composition and quality; Salinity; Sodium; Chlorides; Meteorological factors; Environmental factors

223 NAL Call. No.: 407 G29W no.2328
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Zack, Allen L.
University of Puerto Rico (Mayaguez Campus), Water Resources
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Washington : U.S. G.P.O. ; Denver, CO : For sale by the Books
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Language: English

Descriptors: Water-supply; Puerto Rico; Water, Underground;
Puerto Rico

224 NAL Call. No.: TD223.6.W48
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Language: English

Descriptors: Water-supply; West (U.S.); Water-supply; Missouri
River Watershed; Water-supply; Colorado River Watershed
(Colo.-Mexico); Water-supply; Columbia River Watershed

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