Issues on Population & the Environment

Number 1

Bibliography of Population and Environment Sources

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The Center for Environment and Population (CEP) is a non-profit organization which addresses the relationship between human population, resource consumption, and environmental impacts. The Center works to strengthen the scientific basis of policies and public outreach to achieve a long-term sustainable balance between people and the natural environment around the world. CEP partners with leading organizations to link science to policy and public education efforts, so as to better understand and effectively address the issues. To do this the Center and its organizational partners undertake a series of activities to: compile and assess the current knowledge and emerging trends on the issues; produce expert and research-based materials for policy makers and the public, and; conduct activities to integrate the materials and information directly into policies and public outreach.

The Center has three major program areas: Emerging Issues in Environment and Population, Building New Population-Environment Leadership, and the *AAAS Atlas of Population and Environment* Project. Activities center on producing science-based materials including *"U.S. State Reports on Population and Environment"* and the new publication series *"Issues on Population & the Environment",* and undertaking directly linked Follow-up Activities which integrate the materials into policy and public outreach in the U.S. and internationally. The Center utilizes its CEP Experts Network to engage leading scientists and other issues-experts in policy and public outreach projects.

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The American Association for the Advancement of Science (AAAS) is the world's largest federation of scientists and engineers, with nearly 300 affiliate organizations and more than 130,000 scientists, engineers, science educators, policy makers, journalists, and interested citizens worldwide. The Association undertakes program activities to expand international scientific cooperation on global issues, advance science education, and shape policy issues grounded in science and technology.

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Introduction

In 2001 the ***AAAS Atlas of Population and Environment*** was produced by the American Association for the Advancement of Science (AAAS) and published by the University of California Press. The book is an outstanding 204-page full-color compendium of easy-to-understand text, maps, and graphs with the latest scientific information and analysis on how human population factors (such as rates of growth, density, movement, composition, and natural resource consumption) relate to the natural environment, ecosystems, and species. Recently the Atlas won the American Library Association's prestigious award for "Outstanding Reference Sources".

The Atlas was originally based on an extensive bibliography of sources developed by the AAAS staff. This ***Bibliography of Population and Environment Sources*** is a collection of those original citations, edited by the Center for Environment and Population (CEP), and published here for the first time.

The sources were compiled by Carrie Miller, then a Yale University School of Forestry and Environmental Studies Masters Student and AAAS Summer Intern, and Lars Bromley, AAAS Senior Program Associate. They spent the summer of 2000 tirelessly pouring over reams and reams of sources for the book. Their objective was to identify key sources which the Atlas team of writers could utilize in preparing the draft chapters. The idea, now reflected in this compendium, was to develop an extensive list of online and library citations in three categories for each chapter, highlighting: 1) an Introduction to the issues; 2) the Population-Environment connection, and; 3) Future Trends. This Bibliography contains sources for each subject covered in the Atlas, including Population and Biodiversity, Freshwater, Forests, Fisheries, Climate Change, Energy, Land-Use, Agriculture, Oceans, Coasts, Urbanization and Sprawl.

All Atlas citations are not included in this Bibliography, and there are many in this publication not included in the Atlas. The Bibliography is designed to supplement the Atlas so together they can provide a good basis of information on the relationship between population and the environment.

This document is the first in the Center for Environment and Population's (CEP) new publication series titled ***"Issues on Population & the Environment".*** The production and distribution of this ***Bibliography*** is also part of CEP's ongoing activities to help audiences including students, professionals, scientists, the media, policymakers, activists, and the public to better understand and address population's environmental impacts. As part of this, CEP has spent the past several years taking the ***AAAS Atlas on Population and Environment*** on the road. With AAAS, the National Wildlife Federation (NWF), the Population Resource Center (PRC), and others, CEP co-organized nationwide events like Town Hall Meetings, Media Briefings, and "Influentials Meetings" with U.S. and international leaders in policy and advocacy. On these occasions the Atlas was a centerpiece for discussion and action at the local to international levels. A publication of the Town Hall Meetings experts' presentations appear in ***"Issues on Population & the Environment, Number 2: Town Hall Meetings".*** The Atlas can be accessed online at www.aaas.org/international/atlas, and the Bibliography is available on www.aaas.org/international and www.cepnet.org.

It is our hope in publishing this Bibliography that it will add to the excellent collection of materials which contribute to better study, understanding, and action on these critical topics facing us all today.

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1. **The Tragedy of the Commons –** (Garrett Hardin, *Science*, v162 n3859 pp. 1243-48)
2. **Briefing Packet: 1998 Revision, World Population Estimates and Projections –** (Population Division, Dept. of Economic and Social Affairs, United Nations)
3. **Concise Report on the World Population Situation in 1995 –** (Population Division, Dept. of Economic and Social Information and Policy Analysis, United Nations)
4. **World Population Profile 1996 - Highlights and Full Report –** (International Programs, US Census Bureau et al.)
5. **The Future Population of the World: What Can We Assume Today? –** (IIASA Population Projection Results, Wolfgang Lutz, Earthscan Publications, 1994)
6. **Population –** (*World Development Indicators 1998*, World Bank)
7. **1997 World Population Overview –** (Werner Fornos, President, The Population Institute)
8. **AIDS Shadow Cools Global Population Growth –** (Joby Warrick, *The Washington Post*, October 28, 1998)
9. **Demographic Consequences of Declining Fertility –** (John Bongaarts, *Science*, v282 n5388 pp. 419-20)
10. **Social Trends –** (*Vital Signs 1997*, Worldwatch Institute)
11. **Social Trends –** (*Vital Signs 1998*, Worldwatch Institute)
12. **Population and Human Well-Being –** (*World Resources 1998-99*, World Resources Institute)
13. **Stabilizing Population –** (*State of the World 1998*, Worldwatch Institute)
14. **International Migration 1965-1996: An overview –** (Hania Zlotnick, *Population and Development Review*, v24 n3 pp429-468)
15. **United Nations Population Fund, UNFPA, Publications –** (www.unfpa.org)
16. **Population Action International, Fact Sheets and Publications –** (http://www.populationaction.org/resources/index.htm)
17. **National Wildlife Federation Population & Environment Program, Fact Sheets and Publications –** (http://www.nwf.org/population)
18. **Population Reference Bureau, Fact Sheets, Wall Charts, Publications –** (http://www.prb.org)

► Population and Environment

19. **The Population Module –** (Wolfgang Lutz and Christopher Prinz, *Population, Development, Environment, IIASA*)
20. **Population as Concept and Parameter in the Modeling of Deforestation –** (Alan Grainger, *Population - Environment Dynamics*, Gayl Ness et al., University of Michigan School of Natural Resources)
21. **Critical Trends: Demographic, Economic, and Technical –** (*Which World?*, Allen Hammond)
22. **Population Growth and Earth's Human Carrying Capacity –** (Joel E. Cohen, *Science*, v269 n5222 pp.341-345)
23. **Food Production, Population Growth, and the Environment –** (Gretchen Daily et al., *Science*, v281 n5381 pp. 1291-1296)
24. **Winning the Food Race –** (*Population Reports*, Series M, Number 13, Johns Hopkins University School of Public Health)
25. **U.S. State Reports on Population and Environment - Report Series** (Victoria D. Markham et al., Center for Environment and Population (CEP), www.cepnet.org, 2002)
26. **Human Security and Fertility: The Case of Haiti –** (Alex de Sherbinin, *Journal of Environment and Development*, v5 n1 pp.28-45)
27. **Population Issues Briefing Kit 1992 –** (*UNFPA*)
28. **Population and the Environment –** (*World Resources 1994-95*, World Resources Institute)
29. **Dealing With Population and... –** (*Tapped Out: The Coming World Crises in Water*, Senator Paul Simon)
30. **Human Population, Biodiversity and Protected Areas: Science and Policy Issues –** (Victoria Dompka Markham, et al., AAAS, 1996)
31. **Population & Environment: Rethinking the Debate –** (Lourdes Arizpe, M. Priscilla Stone, David C. Major (eds), Westview Press, 1994)
32. **PARKS –** (Alex DeSherbinin, (Ed), Vol. 8, No. 1, IUCN, 1998. *This is a special issue of the journal devoted entirely to population-environment interactions)*
33. **People and Their Planet: Searching for Balance –** (Barbara Sundberg Baudot, William R. Moomaw, (eds), 1999)
34. **Forging the Link: Emerging Accounts of Population and Environment Work in Communities –** (Carolyn G. Vogel, Robert Engelman, PAI, 1999)

35. **The Wealth of Communities: Stories of Success in Local Environmental Management –** (Charlie Pye-Smith, Grazia Borrini Feyerabend, Earthscan, 1994)
36. **Managing Conflicts in Protected Areas** -(Connie Lewis,(Ed), IUCN, Switzerland,1996)
37. **Sustainable Development: Population and the Environment. Proceedings of a workshop on sustainable development in sub-Saharan Africa held in Baltimore, MD –** (Cynthia P. Green, (Ed), AED, Washington, DC, 1993)
38. **Do Numbers Matter? Population Impacts on Environmental Projects –** (Victoria Dompka Markham (AAAS) and Peggy Allcott (WWF-UK), World Wide Fund for Nature-UK)
39. **Population and Strategies for National Sustainable Development: A Guide to Assist National Policy Makers in Linking Population and Environment in Strategies for Sustainable Development –** (Gayl D. Ness, Earthscan, 1997)
40. **Environment for People: Building Bridges for Sustainable Development –** (Gayl D. Ness, Matthew Wunder, Peter Wilschusen, UNFPA, 1997)
41. **Population-Environment Dynamics: Ideas and Observations –** (Gayl D. Ness, William D. Drake, Steven R. Brechin, (eds), Ann Arbor, University of Michigan Press, 1993)
42. **Beyond Fences: Seeking Social Sustainability in Conservation –** (Grazia Borrini-Feyerabend, Vols 1 and 2: A Process Companion, IUCN, Switzerland, 1997)
43. **How Many People Can the Earth Support? –** (Joel E. Cohen, W.W. Norton, 1995)
44. **Traditional Peoples and Biodiversity Conservation in Large Tropical Landscapes –** (Kent H. Redford, J.A. Mansour, (eds), The Nature Conservancy, American Verde Publications, 1996)
45. **Beyond the Numbers: A Reader on Population, Consumption, and the Environment –** (Laurie Ann Mazur, (Ed), Island Press, 1994)
46. **Tropical Deforestation: The Human Dimension –** (Leslie E. Sponsel, Thomas N. Headland, Robert C. Bailey, Columbia,1996)
47. **Beyond Malthus: Nineteen Dimensions of the Population Challenge –** (Lester R. Brown, Gary Gardner, Brian Halweil, W.W. Norton, 1999)
48. **Our Ecological Footprint: Reducing Human Impact on the Earth** -(Mathis Wackernagel, William E. Rees, New Society, 1996)
49. **Our People, Our Resources –** (IUCN, Switzerland, 1997)
50. **Population and the Environment: A WWF Discussion Document –** (Victoria Dompka, World Wildlife Fund International, Switzerland, 1993)
51. **National Library for the Environment, Population and Environment Database Project –** (http://cnie.org/pop/)
52. **IUCN Montreal Workshop: Water and Population Dynamics: Local Approaches to a Global Population-Environmental Challenges –** (http://www.aaas.org/international/ehn/waterpop/append.htm)
53. **The Third Revolution: Population, Environment and a Sustainable World –** (Paul Harrison, Penguin Books, 1993)
54. **Measures of Success : Designing, Managing, and Monitoring Conservation and Development Projects –** (Richard Margoluis, Island Press, 1998)
55. **The Ends of the Earth: A Journey at the Dawn of the 21st Century –** (Robert D. Kaplan, Random House, (1996)
56. **Plan and Conserve: A Source Book on Linking Population and Environmental Services in Communities –** (Robert Engelman, PAI, 1998)
57. **Population Change, Resources and the Environment –** (Robert Livernash, Eric Rodenburg, Vol. 53, No1, Population Reference Bureau, Population Bulletin, 1998)
58. **PECS News: A Population, Environmental Change, and Security Newsletter –** (Woodrow Wilson Center for Scholars, Washington, DC)
59. **Population Environment Research Network, PERN –** (http:www.populationenvironmentresearch.org/)
60. **State of the World Population Report 2001:** *(Footprints and Milestones: Population and Environmental Change,* UNFPA)
61. **AAAS Atlas of Population and Environment –** (Paul Harrison and Fred Pearce, (Writers), Victoria Dompka Markham, (Exec. Ed.), American Association for the Advancement of Science, 2001, http://www.aaas.org/international/atlas)
62. **United Nations Population Fund, UNFPA Publications –** (http://www.unfpa.org/population/index.htm)
63. **Population Action International, Fact Sheets and Publications –** (http://www.populationaction.org/resources/index.htm)
64. **National Wildlife Federation Population & Environment Program, Fact Sheets and Publications –** (http://www.nwf.org/population/)
65. **Population Reference Bureau, Fact Sheets, Wall Charts, Publications –** (http://www.prb.org)
66. **International Institute for Applied Systems Analysis, IIASA, Publications –** (http://www.iiasa.ac.at/)
67. **Harvard Center for Health and the Global Environment –** (http://www.med.harvard.edu/chge/population-v3n2.htm)

AGRICULTURE

► Introduction

1. **Index of Per Capita Food Production –** (*Food and Agriculture Organization of the U.N.*, http://www.wri.org/wri/enved/trends/food, 1993)
2. **Cereal Yield Per Hectare –** (*Food and Agriculture Organization of the U.N.*, http://www.wri.org/wri/enved/trends/food, 1993)
3. **International Trade in Food –** (*Food and Agriculture Organization of the U.N.*, http://www.who.int/fsf/mbriskassess/studycourse/)
4. **Soil Limits Agriculture –** (FAO *FactFile*, http://www.fao.org/News/FACTFILE/IMG/FF9713-e.pdf)
5. **Low-Income Food-Deficit Countries –** (FAO *FactFile*, http://www.fao.org/focus/e/SpeclPr/SPro14-e.htm)
6. **Distribution of GDP by Sector –** (World Tables, *World Bank*, http://www.igc.org/wri/enved/, 1993)
7. **Areas of Concern for Soil Degradation –** (http://www.wri.org/wri/enved/, 1990)
8. **Causes of Soil Degradation –** (http://www.wri.org/wri/enved/)
9. **Cropland Per Capita –** (*Food and Agriculture Organization of the U.N.*, http://www.wri.org/wri/enved/, 1993)
10. **FAOSTAT-Agriculture Data –** (http://apps.fao.org/cgi-bin/nph-db.pl?subset=agriculture)
11. **Food and Agricultural Production, 1984-96 (tables) –** (*World Resources 1998-99*, p284, 1998)
12. **The World Food Situation Recent Developments, Emerging Issues, and Long Term Prospects –** (Per Pinstrup-Anderson et al., *International Food Policy Research Institute*, Dec. 1997)
13. **Feeding the World –** (*World Resources 1998-99*, p152, 1998)
14. **Intensification of Agriculture –** (*World Resources 1998-99*, http://www.igc.org/wri/wr-98-99/002-agri.htm)
15. **Intensification of Agriculture –** (*World Resources 1998-99*, p41, 1998)
16. **Feast and Famine –** (*The Economist*, Nov. 16, 1996)
17. **Loaves and fishes –** (*The Economist*, Mar. 21, 1998)
18. **Constraints on the Expansion of Food Supply –** (Henry W. Kendall, David Pimentel, *Ambio*, v23 n3 p198, May 1994)
19. **Global and local implications of biotechnology and climate change for future food supplies –** (Robert E. Evenson, *National Academy of Science*, v96 n11 p5921-5928, May 25, 1999)
20. **Feeding Nine Billion –** (Lester R. Brown et al., *State of the World*, Worldwatch Institute, 1999)
21. **Soybean Harvest Down –** (Lester R. Brown et al., *Vital Signs*, Worldwatch Institute,1999)
22. **World Food Programme –** (*The Hunger Trap*, http://www.wfp.org/info/hunger/, 1998)
23. **The State of Food and Agriculture 1998 –** (http://www.fao.org/docrep/w9500e/w9500e12.htm)
24. **Global Hunger: The Methodologies Underlying the Official Estimates –** (Thomas T. Poleman, *Population and Environment*, v17 n6 p545-569, Jul. 1996)
25. **Extracts from the OECD Agriculture Outlook 1999-2004 –** (*OCED*, http://www.oecd.org/agr/, 1999)
26. **Feeding a World Population of More Than Eight Billion People: A Challenge to Science (Review) –** (Dennis R. Keeney, *Soil Science* v164 n2 p19, Feb. 1999)
27. **The Nature of Agricultural Systems: Food Security and Environmental Balance –** (K.G. Cassman & R.R. Harwood, *Food Policy*, v20 n5 p49, 1995)
28. **Agricultural Intensification and Ecosystem Properties –** (P.A. Watson et al., *Science*, v277 n5325 p504)
29. **An Ecoregional Perspective on Malnutrition –** (Manohar Sharma et al, http://www.ifpri.cgiar.org/2020/newslet/nv_0495/nv_0495d.htm)
30. **Long-Term Agroecosystem Experiments Assessing Agricultural Sustainability and Global Change –** (Paul E. Rasmussen et al, *Science*, v282 n5390 p893)
31. **Landscape Structure and Biological Control in Agroecosystems –** (Carsten Theis and Teja Tscharntke, *Science*, v285 n5429 p893, 6 Aug. 1999)
32. **Ecological Consequences of Slash-and Burn Agriculture in the Tropical Areas of China –** (*Ambio*, v25 n3 p210, May 1996)
33. **Agriculture and Environment: A Review, 1972-1992 –** (*Ambio*, v23 n3 p192, May 1994)
34. **Global environmental impacts of agricultural expansion: The need for sustainable and efficient practices –** (David Tilman, *National Academy of Science*, v96 n11, May 25, 1999)
35. **Effects of slash and burn agriculture and deforestation on climate change –** (*Agriculture, Ecosystems, & Environment 58 (1996) 13-22*)
36. **Slash and burn agriculture – household perspectives –** (*Agriculture, Ecosystems, & Environment 58(1996) 23-38*)

AGRICULTURE

37. **Dynamics of soil physical properties under alternative systems to slash and burn –** (*Agriculture, Ecosystems, & Environment 58(1996) 39-48*)
38. **Chemical dynamics in slash and burn agriculture –** (*Agriculture, Ecosystems, & Environment 58(1996) 49-60*)
39. **Soil biological dynamics in slash and burn agriculture –** (*Agriculture, Ecosystems, & Environment 58(1996) 61-74*)
40. **Development pathways toward sustainable systems following slash and burn –** (*Agriculture, Ecosystems, & Environment 58(1996) 75-86*)
41. **Nutrient Overload: Unbalancing the Global Nitrogen Cycle –** (*World Resources 1998-99*, p179, 1998)
42. **Human Alteration of the Global Nitrogen Cycle: Causes and Consequences –** (Ecological Society of America, *Issues in Ecology*, Spring 1997)
43. **Livestock & Nutrient Transfer –** (*International Livestock Research Institute*, http://www.cgiar.org/ILRI)
44. **Site-and watershed-level assessment of nutrient dynamics under shifting cultivation in eastern Madagascar –** (J. Brand and J.L. Pfund, *Agriculture Ecosystems & Environment*, v71 p169-183, 1998)
45. **Forests Loss Linked to Soil Degradation –** (Natasha Bita, Perry Bronwen, *Geodate*, v9 n2 p8, May 1996)
46. **Forests in a Global Context –** (*The State of Food & Agriculture*, http://www.foa.org/docrep/, 1997)
47. **Socioeconomic factors and tropical deforestation –** (Kamaljit Bawa, S. Dayanandan, *Nature*, v386 n6625 p562-563, Apr. 10, 1997)
48. **Soil Degradation –** (Sara J. Scherr, *Food, Agriculture, and the Environment Discussion Paper 27, International Food Policy Research Institute*, Feb. 1999)
49. **Environmental and Economic Costs of Soil Erosion and Conservation Benefits –** (David Pimentel et al., *Science*, v267 n5201 p1117-1123, Feb. 24, 1995)
50. **Soils in Torment –** (Sophie Bourkhari, *UNESCO Courier*, v52 n1 p10, Jan. 1999)
51. **The Adoption of Soil Conservation Technology in El Salvador: Linking Productivity and Conservation –** (E. Gustavo Sain, J. Hector Barreto, *Journal of Soil & Water Conservation*, v51 n4 p313, Jul./Aug. 1996)
52. **Soil degradation from wind erosion in Semi-arid region of China – (*Journal of Soil & Water Conservation*, v52 n2, 1998)**
53. **Heavy Metal Pollution in Soils in China: Status and Countermeasures –** (Chen Huamain et al., *Ambio*, v28 n2 p130, Mar. 1999)
54. **Livestock-Environment Interactions –** (Henning Steinfeld et al., http://www.fao.org/docrep/x5305e/x5305e00.htm)
55. **Livestock to 2020: The Next Food Revolution –** (Christopher Delgado et al., *2020 Brief 61*, Jun. 1999)
56. **Livestock to 2020: The Next Food Revolution –** (Christopher Delgado et al., *Food, Agriculture, and the Environment Discussion Paper 28*, May 1999)
57. **Are you Ready for a Meat Revolution –** (*News & Views*, http://www.cgiar.org/ifpri/, Mar. 1999)
58. **Sacred cows, science and uncertainties –** (David C. G. Skegg, v382 n6594 p755-756, Aug. 1996)
59. **Livestock & the environment: Finding a balance –** (Cees de Haan et al., http://www.fao.org/docrep/)
60. **Poultry, women and development: old ideas, new applications and the need for more research –** (J. Rushton, S.N. Ngongi, http://www.fao.org/docrep/w9980t/w9980T07.htm)

► Agriculture and Population

61. **Population & Food –** (National Wildlife Federation (NWF), Factsheet, www.nwf.org/population)
62. **Food Production, Population Growth, and the Environment –** (Gretchen Daily et al., *Science*, v281 n5381 p1291)
63. **Population Growth and Food Production: Recent Global and Regional Trends –** (Tim Dyson, *Population and Development Review*, v20 n20, Jun. 1994)
64. **Population Pressure and the Food Supply System in the Developing World –** (*Population and Development Review*, v22 n2, Sept. 1996)
65. **Toward 2020: Conclusions from a Roundtable on Food and Population to 2010 –** (Nurul Islam, *2020 Vision Synthesis*, http://www.cgiar.org/ifpri/, Feb. 1995)
66. **Population Reports –** (v25 n4 Series M, n13, Dec. 1997)
67. **Plants and population: Is there time? –** (Nina V. Fedoroff and Joel E. Cohen, *Academy of National Science*, v96 n11 p5903-5907, May 25, 1999)
68. **Population, Food, and Nutrition –** (William Bender and Margaret Smith, Feb. 1997)
69. **Variability and Growth in Grain Yields, 1950-94: Does the Record Point to Greater Instability? –** (Rosamond Taylor et al., *Population and Development Review*, v23 n1 p41-58 Mar. 1997)

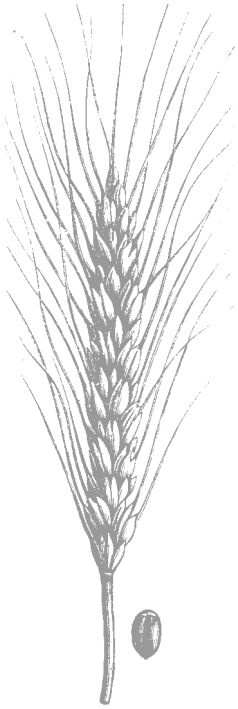
AGRICULTURE

70. **Population Growth and Agriculture in Poor Countries: A Review of Theoretical Issues and Empirical Evidence –** (Nadia Cuffaro, *World Development*, v25 n7 p1151-1163, 1997)
71. **How Much Food Will We Need in the 21st Century? –** (William H. Bender, *Environment*, v39 n2, Mar. 1997)
72. **How Many People Can the Earth Feed? –** (Vaclav Smil, *Population and Development Review 20*, n2 p255-292, Jun. 1994)
73. **Keynote Addresses Food: Nature and Culture –** (Ismail Serageldin and Margaret Visser, *Social Research*, v66 n1 p103, Spring 1999)
74. **Conserving Land: Population and Sustainable Food Production –** (Robert Engelman and Pamela LeRoy, 1995)
75. **Raising Women's Productivity in Agriculture –** (*The State of Food & Agriculture*, 1997)
76. **Women: The Key to Food Security –** (Agnes R. Quisumbling et al., *Food Policy Statement 21*, http://www.cgiar.org/ifpri/, Aug. 1995)
77. **World Trends in Fertilizer Use and Projections to 2020 –** (Balu L. Bumb and Carlos A. Baanante, *2020 Vision Brief 38*, http://www.cgiar/org/ifpri/, Oct. 1996)
78. **Global Politics of Pesticides –** (Danielle Knight, *Americas*, v48 p55, Nov. /Dec. 1999)
79. **Clinical evaluation of pesticide exposure and poisonings –** (Michael O'Malley, *The Lancet*, v349 n9059 p1161-1166, Apr. 19, 1997)
80. **Policies to Promote Environmentally Sustainable Fertilizer Use and Supply to 2020 –** (Balu L. Bumb and Carlos A. Baanante, *2020 Vision Brief 40*, http://www.cgiar.org/ifpri/, Oct. 1996)
81. **Pest Management and Food Production Looking to the Future –** (Montague Yudelman et al., http://www.cgiar.org.ifpri/, 1998)
82. **Trends in the Types, Amounts, and Toxicity of Pesticides Used in Tanzania –** (Avil J. Mmochi and R. Said Mberek, *Ambio*, v27 n8, Dec. 1998)
83. **A review of impacts to U.S. agricultural resources –** (Richard M. Adams et al, Feb. 1999)
84. **Water and Sustainable Development International Conference –** (Wulf Klohn and Hans W. Wolter, http://www.fao.org/ag/AGL/AGLW/webpub/PARIS1.htm, Mar. 1998)
85. **New Zealand: The impact of policy reforms on water quantity and quality issues –** (MAF Policy, Ministry of Agriculture and Forestry, Wellington, http://www.oecd.org/agr/publications/index1.htm, 1998)
86. **Water for Food Production: Will There Be Enough in 2025? –** (Sandra L. Postel, *BioScience*, v48 n8 p629, Aug. 1998)
87. **The Right to Food –** (*The World Food Summit and its Follow up*, http://www.fao.org/docrep/X2051e/X2051e00.htm)
88. **The Right to Food, Considered on the 50th Anniversary of the Universal Declaration of Human Rights –** (http://www.worldhunger.org/articles/foodrights.htm)
89. **Time to "Green" U.S. Farm Policy –** (Katherine R. Smith, *Issues in Science and Technology*, v11 p71-78, Spring 1995)
90. **Perverse Subsidies –** (John Cairns Jr., *BioScience*, v49 p334-336, Apr. 1999)
91. **Shaping a Smarter Environmental Policy for Farming –** (David E. Ervin, *Issues in Science and Technology*, p73-81, Summer 1998)
92. **EU faces battle on farm subsidies –** (*Journal of Commerce*, Apr. 14, 1999)
93. **Political Muscle; SIDEBAR –** (Doug McInnis, *BEEF*, July 1999)
94. **Back door subsidies for US farmers –** (*Farming News*, Mar. 12, 1999)
95. **Agriculture, trade and the environment: Anticipating the policy challenges: excerpts only –** (David Ervin, *OECD*, 1997)
96. **World Trade Organization (WTO) –** Organization Mondiale Du Commerce **–** Organization Mundail Del Comercio **–** (Anwarul Hoda, *De La Tribune*)
97. **Cuts urged in fishing and farm aid: Trade and environment Washington Urges WTO to be more responsive to ecological concerns –** (Frances Williams, *Financial Times*(London), Mar. 16, 1999)
98. **Module 2: FAQs (1) –** (http://www.wto.org/english/thewto_e/whatis_e/eol/e/wto02/wto2_71.htm)
99. **Implementation of the Uruguay round reform programme for trade in agriculture –** (*Press Brief*, http://www.wto.org/goods/agricult.htm)
100. **Urbanization and Agriculture to the Year 2020 –** (*News & Views*, http://www.cgiar.org/ifpri/, Apr. 1996)
101. **Suburbia Consumes California's Fruit Basket to the World –** (Daniel B. Wood, *Christian Science Monitor*, v89 n201 p1, Sept. 11, 1997)
102. **Closing the Nutrient Loop –** (Toni Nelson, *World Watch*, v9 p10-17, Nov./Dec. 1996)
103. **China's Water Shortage Could Shake World Food Security –** (Lester R. Brown and Brian Halweil, *World Watch*, v11 n4 p10-21, Jul./Aug. 1998)
104. **Coexistence between People and Elephants in African Savannas –** (Richard E. Hoare and Johan T. Dutoit, *Conservation Biology*, v13 n3 p633-639, Jun. 1999)

105. **Supporting Women Farmers in the Green Zones of Mozambique –** (Ruth Ansah Ayisi, *SEEDS* No. 17, http://www.popcouncil.org/publications/seeds/seeds17.html)
106. **U.S. State Reports on Population and Environment: Agriculture Chapter –** (Victoria D. Markham, et al., Center for Environment and Population (CEP), www.cepnet.org, 2002)

► Future Trends

107. **Plant Biotechnology Food & Feed –** (*Science*, v285 n5426 p289-484, Jul. 16, 1999)
108. **Sociopolitical Effects of New Biotechnologies in Developing Countries –** (Klaus M. Leisinger, http://www.ifpri.cgiar.org/2020/briefs/number35.htm, Jul. 1996)
109. **Food for thought –** (*The Economist*, Jun. 19, 1999)
110. **Mutants on the menu –** (*France Bequette*, http://www.unesco.org/courier/1998_09/uk/planete/txt1.htm)
111. **Technological Opportunities for Sustaining Wheat Productivity Growth toward 2020 –** (Prabhu L. Pingali and Sanjaya Rajatam, *2020 Vision Brief 51*, Jul. 1998)
112. **Food for all –** (Debbie Mack, *New Scientist*, Oct. 31, 1998)
113. **What is Sustainable Agriculture? –** (Gail Feenstra, **http://www.sarep.ucdavis.edu/concept.htm, Dec. 29, 1998)**
114. **The Greening of the Green Revolution –** (David Tilman, *Nature*, v396 n6708 p211-212, Nov. 19, 1998)
115. **Chapter 14: Sustainable agriculture and rural development –** (*Progress Report FAO*, Agenda 21/14:SARD, http://www.fao.org/ag/magazine/0103sp3.htm, Jun. 1997)
116. **Evaluating the Potential Contribution of Organic Agriculture to Sustainability Goals –** (*FAO*, 1998)
117. **Linking Biodiversity and Agriculture: Challenges and Opportunities Food Security –** (*WRI*, 1997)
118. **Saving Nature's Legacy Through Better Farming –** (Dennis T. Avery, *Issues in Science and Technology*, v14 p59-64, Fall 1997)
119. **The Potential of Agroecology to Combat Hunger in the Developing World –** (Miguel A. Altieri et al., *2020 Brief 55*, Oct. 1998)
120. **Heifer-in-Trust: a model for sustainable livestock development? –** (K.A. Afifi Affat)
121. **Biomass, livestock, people and the environment –** (Andre Speedy, *FOA Animal Production and Health Division*)
122. **Austria: Organic farming –** (The Federal Ministry of Agriculture and Forestry, Vienna, *Helsinki Seminar on Environment Benefits from Agriculture Country Case Studies, OECD*, p37, http:www.oecd.org/agr/publications/index1.htm, 1997)
123. **Rejuvenating Agricultural Extension through Partnership –** (*South Asia Brief*)
124. **Growing More Food, Doing Less Damage –** (Mark W. Rosegrant and Robert Livernash, *Environment*, v38 p6-11, Sept. 1996)
125. **Growing More Food, Doing Less –** (Lester Brown and Robert S. Chen, *Environment*, v39 p34-38, Mar. 1997)



BIODIVERSITY

► Introduction

1. **Biodiversity and Ecosystem Functioning –** (H.A. Mooney et al., *Global Biodiversity Assessment*)
2. **Biodiversity and its value –** (Biodiversity Series, Paper No.1, Dept. of Environment, Sports, and Territories, Australia)
3. **What is Biodiversity –** (World Resources Institute)
4. **Chapter 6 Global Patterns of Biodiversity –** (Peter J. Bryant, *Biodiversity and Conservation*)
5. **Do We Still Need Nature? The Importance of Biological Diversity** - (Anthony C. Janetos, *CONSEQUENCES*)
6. **All the World's a Garden –** (Joel Achenbach, *Washington Post*, July 10, 1992 B5)
7. **Biodiversity and Ecosystem Function: The Debate Deepens –** (J.P. Grimes, *Science*, v277 n5330 p1260-1261)
8. **The Multifaceted Aspects of Ecosystem Integrity –** (Guilio A. De Leo, *Conservation Ecology*, v1 n1 p3)
9. **Biodiversity in a Vital of Sugar Water –** (Virginia Morell, *Science*, v278 n5337 p390)
10. **Knowing the Earth's Biodiversity: Challenges for the Infrastructure of Systematic Biology –** (Stephen Blackmore, *Science*, v274 n5284 p63)
11. **The Effects of Plant Composition and Diversity on Ecosystem Processes –** (David Hooper et al., *Science*, v277 n5330 p1302)
12. **The Influence of Island Area on Ecosystem Properties –** (David A. Wardle et al., *Science*, v277 n5330 p1296)
13. **The Influence of Functional Diversity and Composition on Ecosystem Processes –** (David Tilman et al., *Science*, v277 n5330 p1300)
14. **Human Nature: Agricultural Biodiversity and Farm-Based Food Security –** (Hope Shand, *Rural Advancement Foundation International*, 1997)
15. **Biodiversity: Microbiologists Explore Life's Rich, Hidden Kingdoms –** (Robert F. Service, *Science*, v275 n5307 p1740)
16. **A Molecular View of Microbial Diversity and the Biosphere –** (Norman R. Pace, *Science*, v276 n5313 p734)
17. **Foreword –** (E.O. Wilson, in *Witness - Endangered Species of North America*, Susan Middleton et al.)

► Biodiversity and Population

18. **The Fall of a Sparrow: the Passing of Biological Diversity –** (Paul Harrison, *The Third Revolution*)
19. **Population and Biodiversity: A Commentary –** (Wolfgang Lutz, *Human Population, Biodiversity and Protected Areas: Science and Policy Issues,* Victoria Dompka Markham et al., AAAS, 1996)
20. **Biodiversity Data Tables –** (*World Resources 1998-99*)
21. **Losing Strands in the Web of Life –** (John Tuxill et al., *State of the World,* Worldwatch Institute, *1998*)
22. **Vertebrates Signal Biodiversity Losses –** (John Tuxill, *Vital Signs*, Worldwatch Institute, 1998)
23. **Primate Diversity Dwindling Worldwide –** (John Tuxill, *Vital Signs*, Worldwatch Institute, 1997)
24. **Biodiversity –** (*World Resources 1994-95*)
25. **Biological Diversity and Genetic Resources –** (Geoffrey Lean et al., *Atlas of the Environment*)
26. **Areas of Endemism –** (Geoffrey Lean et al., *Atlas of the Environment*)
27. **Root Causes of Biodiversity Loss-Wildlife & Habitat –** (*World Resources 1992-93*)
28. **How and Why Biological Resources are Threatened –** (*WRI*)
29. **1 in 8 Plants in Global Study Threatened;20-Year Project Warns of Major Diversity Loss –** (Curt Suplee, *Washington Post*, April 8, 1998 A01)
30. **200 amphibian species face extinction –** (*Star Tribune* MPLS.ST.PAUL, June 1, 1998 A6)
31. **Heeding the Seas' Vanishing Species –** (Gary Lee, *Washington Post* April 1, 1996 A3)
32. **Extinction on the High Seas –** (David Malakoff, *Science*, n277 v5325 n486)
33. **A Paleontologist Looks To The Future –** (Charles C. Mann, *Washington Post*, January 7, 1996 X8)
34. **Chapter 3, Extinction and Depletion from Over-Exploitation –** (Peter J. Bryant, *Biodiversity and Conservation*)
35. **Chapter 5 Overexploitation Threatening Living Species –** (Peter J. Bryant, *Biodiversity and Conservation*)
36. **Gardenification of Wildland Nature and the Human Footprint –** (Daniel Janzen, *Science*, v279 n5355 p1312)

37. **Heeding the Warning in Biodiversity's Basic Law –** (Michael L. Rosenzweig, *Science*, v284 n5412 p276)
38. **Rare Habitats Vie for Protection –** (Karen Schmidt, *Science*, v274 n5289 p916)
39. **Global Nitrogen Overload Problem Grows Critical –** (Anne Simon Moffat, *Science*, v279 n5353 p988)
40. **Can Cloning Help Save Beleaguered Species? –** (Jon Cohen, *Science*, v276 n5317 p1329)
41. **Extinction and the Loss of Evolutionary History –** (Sean Nee et al., *Science*, v278 n5338 p692)
42. **U.S. State Reports on Population and Environment: Biodiversity Chapter –** (Victoria D. Markham et al.,Center for Environment and Population (CEP), www.cepnet.org, 2002)
43. **Wildlife Harvest in Logged Tropical Forests –** (John G. Robinson et al., *Science*, v284 n5414 p595)
44. **Tree Species Diversity in Commercially Logged Bornean Rainforest –** (Charles H. Cannon et al., *Science*, v281 n5381 p1366)
45. **Papers Posit Grave Impact of Trawling –** (David Malakoff, *Science*, v282 n5397 p2168)
46. **No Need to Isolate Genetics –** (Michael E. Soule et al., *Science*, v282 n5394 p1658)
47. **Dams Drain the Life Out of Riverbanks –** (Nigel Williams, *Science*, v275 n5313 p683)
48. **Human Population, Biodiversity and Protected Areas: Science and Policy Issues –** (Victoria Dompka Markham et al., AAAS, 1996)
49. **Why Population Matters-Endangered Species –** (*Population Action International, PAI*)

► Future Trends

50. **"Saving Plant and Animal Life", Treaty on Biological Diversity Offers Possibility of Breakthrough –** (Tom Kenworthy, *Washington Post*, June 1, 1992 A15)
51. **A Guide to the Convention on Biological Diversity –** (Lyle Glowka et al., *IUCN* 1994)
52. **The Convention about Life on Earth –** (GEF *Clearing-House Mechanism*)
53. **Biodiversity Prospecting: Using Genetic Resources for Sustainable Development –** (Walter V. Reid et al., WRI)
54. **Unique, All-Taxa Survey in Costa Rica " Self-Destructs" –** (Jocelyn Kaiser, *Science*, v276 n5314 p893)
55. **Model Indian Deal Generates Payments –** (Pallava Bagla, *Science*, v283 n5408 p1614b)
56. **Bioprospecting in an African Context –** (Lydia Makhubu, *Science*, v282 n5386 p41)
57. **Botanical Gardens Cope With Bioprospecting Loophole –** (Alan Dove, *Science*, v281 n5381 p1273)
58. **Brazil Wants Cut of Its Biological Bounty –** (Elizabeth Pennisi, *Science*, v279 n5356 p1445)
59. **Entering the Century of the Environment: A New Social Contract for Science –** (Jane Lubchenco, *Science*, v279 n5350 p491)
60. **Planning for Biodiversity –** (Stuart L. Pimm et al., *Science*, v279 n5359 p2068)
61. **New Research Horizons –** (Terry E. Smith, *Science*, v278 n5346 p2040)

CLIMATE CHANGE

► Introduction

1. **Protecting the Atmosphere Agenda 21, Chapter 9 –** (*WRI*, http://www.wri.org/rio-5/rio5clim.html, Mar.13-19, 1997)
2. **Climate Change: State of Knowledge –** (*USGCRP*, http://www.usgcrp.gov/usgcrp/documents/CCSOKNOW.html)
3. **Climate Brief: Searching for a Green-house Fingerprint –** (*World Resources 1998-99*, p173, 1998)
4. **The Science of Climate Change –** (Tom M.L. Wigley, http://www.pewclimate.org/projects/index.cfm, 1999)
5. **Climate Change Information Kit –** (*UNEP Information Unit for Conventions*, p1-66, http://www.unep.ch/iuc/submenu/infokit/factcont.htm, May 1999)
6. **The Greenhouse Effect: An Interdisciplinary Perspective –** (Moti Nissani, *Population and Environment*, v17 n6 p459-487, Jul.1996)
7. **Can the Climate Treaty Stop This? –** (*World Watch*, v11 n6, Dec.1998)
8. **Global Temperature Reaches Record High –** (Molly O'Meara in Lester Brown et al., *Vital Signs,* Worldwatch Institute, p69, 1998)
9. **Power Surge: Energy Use and Emissions Continue to Rise –** (*World Resources 1998-99*, p170-173, 1998)
10. **Carbon Emissions Resume Rise –** (Seth Dunn, in Lester Brown et al., (eds) *Vital Signs*, Worldwatch Institute, p66, 1998)
11. **Top Ten Greenhouse Gas Emitters –** (*World Resources*, p201, http://www.wri.org/org/enved/trends/atm-10e.html, 1994)
12. **Carbon Dioxide Emissions from the Use of Fossil Fuels in Asia: An Overview –** (Toufiq A. Siddiqi, *Ambio*, v25 n4, p229, Jun. 1996)
13. **An Estimation of Methane Emissions from Agricultural Activities in China –** (Dong Hongmin et al., *Ambio*, v25 n4 p292, Jun. 1996)
14. **Chill in the air –** (*New Scientist*, http://www.newscientist.com/ns/19990501/chillinthe.html, May 1, 1999)
15. **Climate forcings in the Industrial era –** (James E. Hansen et al., *Proceedings of the National Academy of Sciences USA*, v95 p12753-12758, Oct. 1998)
16. **A common-sense climate index: Is climate changing noticeably? –** (James Hansen et al., *Proceedings of the National Academy of Sciences USA*, v95 p4113-4120, Apr. 1998)
17. **Can increasing carbon dioxide cause climate change? –** (Richard S. Lindzen, *Proceedings of the National Academy of Sciences USA*, v94 p8335-8342, Aug. 1997)
18. **Greenhouse wars –** (Fred Pearce, *New Scientist*, p38, Jul. 19, 1997)
19. **Greenhouse Forecasting Still Cloudy –** (Richard A. Kerr, *Science*, v276, May 16, 1997)
20. **Climate Change and Human Health: Executive Summary –** (USGCRP, http://www.usgcrp.gov/usgcrp/WHO/WHOEXEC.html)
21. **Climate Change and Human Health –** (*Population and Development Review*, v23 n1, Mar. 1997)
22. **Ecology of Increasing Disease –** (David Pimentel et al., *Bioscience*, v48 n10 p817)
23. **Malarial range set to spread in a warmer world –** (David Sharp, *Lancet*, v347 n9015 p1612)
24. **Climate Change: A Greener North –** (Inez Fung, *Nature*, v386 n6626 p659-660, Apr. 17, 1997)
25. **Increased Plant Growth in the Northern High Latitudes from 1981 to 1991 –** (R.B. Myneni et al., *Nature*, v386 n6626 p698-702, Apr. 17, 1997)
26. **Plant responses to global changes in CO2: unfinished business? –** (Christophe Thebaud, *Trends in Ecology & Evolution*, v12 p425, Nov. 11, 1997)
27. **Food, Agriculture, and Climate Change: The U.S. and International Outlook –** (Cynthia Rosenzweig & William E. Easterling (speakers), *USGCRP*, http://www.usgcrp.gov/usgcrp/seminars/9717DD.html)
28. **Agriculture & Global Climate Change: Executive Summary –** (Richard M. Adams, Brian H. Hurd & John Reill, http://www.pewclimate.org/projects/index.cfm, 1999)
29. **Climate Change and World Food Supply Special issues of Global Environmental Change and Food Policy –** (A. Barrie Pittock, *Environment*, v37 p25-30, Nov. 1995)
30. **Human-induced perturbations biodiversity –** (V.H. Heywood (Ed), *Global Biodiversity Assessment*, p318-323, 1995)
31. **Global Climate: Greenhouse Effect & Global Climate Change –** (*Congressional Research Service*, http://www.cnie.org/nle/clim-7/ebgcc15.html)
32. **Global Climate Change –** (Wayne A. Morrissey & John R. Justus, http://www.cnie.org/nle/clim-2.html, May 13, 1999)

33. **Human Influence on the Atmospheric Vertical Temperature Structure: Detection and Observations –** (Simon F.B. Tett et al., *Science*, v274 n5290 p1170)
34. **Uncertainties in Projections of Human-Caused Climate Warming –** (J.D. Mahlman, *Science*, v278 n5342 p1416)
35. **Evidence for human influence on climate from hemispheric temperature relations –** (Robert K. Kaufman, David I. Stern, *Nature*, v388 n6637 p39-44, Jul. 3, 1997)
36. **A search for human influences on the thermal structure of the atmosphere –** (B.D. Santer et al., *Nature*, v382 n6586 p39-46, Jul. 4, 1996)
37. **Simulated response of the ocean carbon cycle to anthropogenic climate warming –** (Jorge L. Sarmiento et al., *Nature*, v393 n6586 p245-249, May 1998)

► Climate Change and Atmosphere

38. **Global Environment Outlook - 1 –** (United Nations Environment Programme, http://www.unep.org/unep/eia/geo1/, 1997)
39. **Atmospheric Feedbacks –** (V.H. Heywood (Ed.), *Global Biodiversity Assessment*, p417, 1995)
40. **Stratospheric Ozone Depletion: Celebrating Too Soon –** (*World Resources*, p177, 1998)
41. **CFC Production Continues to Plummet –** (Molly O'Meara, in Lester Brown et al., *Vital Signs 1998*, p70, 1998)
42. **Protecting the Atmosphere Agenda 21, Chapter 9 –** (WRI, http://www.wri.org/wri/rio-5/rio5clim.html, March 13-19, 1997)
43. **Basic facts and data on the science and politics of ozone protection –** (*UNEP*, http://www.unep.org/ozone/, May 1999)
44. **Understanding Ozone Depletion –** (Union of Concerned Scientists, http://www.ucsusa.org/biologicalresources/ozone.science.html)
45. **Ozone: What is it, and why do we care about it? –** (NASA, *NASA Facts*, http://poa.gsfc.nasa.gov/gsfc/service/gallery/fact-sheets/earthsci/ozone.htm)
46. **Depletion and Recovery of the Ozone Layer: An Update of the Scientific Understanding –** (Daniel L. Albritton (speaker), http://www.usgcrp.gov/usgcrp/980916FO.html)
47. **ACE Information Programme: Ozone Depletion –** (Glossary, *ACE On-Line Fact Sheets-Ozone Depletion*, http://www.doc.mmu.ac.uk/aric/eae/english.html)
48. **Scientific Assessment of Ozone Depletion: Executive Summary –** (IPCC, 1999)
49. **Tropospheric Air Pollution: Ozone, Airborne Toxics, Polycyclic Aromatic Hydrocarbons, and Particles –** (Barbara J. Finlayson Pitts & James N. Pitts., *Science*, v276 n5315 p1045)
50. **Enhanced: Mesospheric Mysteries –** (Paul Crutzen, *Science*, v277 n5334 p1951)
51. **Enhanced: Summer in the Stratosphere –** (D.W. Fahey & A.R. Ravishankara, *Science*, v285 n5425 p208)
52. **Seven Megacities with the Worst Air Pollution –** (WRI, http://www.wri.org/wri/enved/trends/atm-10f.html, 1994)
53. **Urban Air Quality Management –** (The World Bank Group, http://www.worldbank.org.html/fpd/urban/air_poll/air_poll.htm)
54. **Yellow skies, smarting eyes –** (*The Economist*, Mar. 21, 1998)
55. **Air pollution. Illegal aliens –** (*The Economist*, Dec. 12, 1998)
56. **Combating and Acid Deposition and Climate Change –** (Alan McDonald, *Environment*, v41 n3 p4, Apr. 1999)
57. **Human Alteration of the Global Nitrogen Cycle Causes and Consequences: Summary –** (Peter M. Vitousek et al., http://www.sdsc.edu./ESA/tilman.htm, Aug. 1997)
58. **Population Growth and Air Quality in California –** (James C. Cramer, *Demography*, v35 p45-56, Fall 1998)
59. **Weekly cycles of air pollutants, precipitation and tropical cyclones in the coastal NW Atlantic region –** (Randall S. Cerveny & Robert C. Balling Jr., *Nature*, v394 p561, Aug. 6, 1998)
60. **Acid Rain Control: Success on the Cheap –** (Richard A. Kerr, *Science*, v282 n5391 p1024)
61. **Ozone Treaties –** (The Ozone Secretariat, http://www.unep.org/ozone/treaties.htm)
62. **The Chilling Effect: –** (David Sheff, http://www.outsidemag.com/magazine/0897/9708freon.html, Aug. 1997)
63. **Second Generation Abatement Strategies for NOX, NH3, SO2 and VOCs –** (Peringe Grennfelt et al., *Ambio*, v23 n7, Nov. 1994)
64. **Present and future trends in the atmospheric burden of ozone-depleting halogens –** (S.A. Montzka et al., *Nature*, v398 p690-694, Apr. 22, 1999)

65. **Atmospheric chemistry: Uncertain road to ozone recovery –** (Paul J. Fraser & Michael J. Prather, *Nature*, v398 p663-664, Apr. 22, 1999)
66. **Ozone Friendly Products –** (The Ozone Secretariat, http://www.unep.org/ozone/ozone_safe.htm, Sept. 16, 1998)
67. **Successful Conversion to Non - ODS Refrigeration the New Zealand Experience –** (*UNEP Industry & Environment Ozone Action Programme*, http://www.unepie.org/ozat/tech/main.html, Aug. 1995)

► Climate Change and Population

68. **Population and Global Warming –** (Wolfgang Lutz et al., *IIASA*, Apr. 30, 1996)
69. **Population, Carbon Emissions, and Global Warming: The Forgotten Relationship at Kyoto –** (Frederick A.B. Meyerson, *Population and Development Review*, v24 n1 p115-130, Mar. 1998)
70. **Population, Carbon Emissions, and Global Warming: Comment –** (Paul DeSa, *Population and Development Review*, v24 n1 p797-803, Mar. 1998)
71. **Climate, Population and UNCED+5 –** (Lindsey Grant, http://www.npg.org/forum_series/sustainability_3.htm, Oct. 1997)
72. **The Effect of Changing Climate on Population –** (Nathan Keyfitz, in Irving M. Mintzer (ed), *Confronting Climate Change, SEI*, Chapter 11)
73. **Population and Global Warming with and Without CO2 Targets –** (Stuart R. Gaffin, et al., *Population and Environment*, v18 n4 p389-413, Mar. 1997)
74. **Population Growth Could Affect Global Warming –** (Stuart R. Gaffin, Brian C. O'Neill, *EDF News*, v27 n6, Nov. 1996)
75. **Global Warming Policy: Population Left Out in the Cold –** (John Bongaarts, Brian C. O'Neill, *Environment*, v39 n9 p40, Nov. 1997)
76. **Population and Climate Change –** (*National Wildlife Federation, Fact Sheet*, http://www.nwf.org/population/climate.html)
77. **Profiles in Carbon: An Update on Population, Consumption, and Caron Dioxide Emissions –** (Robert Engelman, *Population Action International*, 1998)
78. **Stabilizing the Atmosphere Population, Consumption and Greenhouse Gases –** (Robert Engelman, *Population Action International*, 1994)
79. **The Greenhouse Gas Methane (CH4): Sources and Sinks, the Impact of Population Growth, Possible Interventions –** (Gerhard K. Heilig, *Population and Environment*, v16 n2, Nov. 1994)
80. **Population, Consumption Patterns and Climate Change: A Socioeconomic Perspective from the South –** (Jyoti K. Parikh & J.P. Painuty, *Ambio*, v23 n7 p434-437, Nov. 1994)
81. **Population, Consumption and Atmospheric Equity –** (Robert Engelman, Population Action International, *Linkages Journal*, v4 n1, http://www.iisd.ca/linkages/journal/, Feb. 1, 1999)
82. **Global Warming and Population Growth: Inseparable –** (Werner Fornos, *Christian Science Monitor*, v89 n145 p19, Jun. 23, 1997)
83. **The Effect of Population on Global Climate Change –** (Tonalee Carlson Key, http://www.cnie.org/pop/intros/globalclimate1.htm)
84. **The Terrestrial Carbon Cycle: Implications for the Kyoto Protocol –** (IGBP Terrestrial Carbon Working Group, *Science*, v280 n5368 p1393)
85. **Understanding Climate Change: A Beginner's Guide to the UN Framework Convention –** (IUC, http://www.unfccc.de/resource/beginner.html, Jan. 1997)
86. **The Convention and Kyoto Protocol –** (*UNFCC*, http://www.unfccc.de/resource/convkp.html, Jul. 13, 1999)
87. **Global Climate Change Treaty: The Kyoto Protocol –** (Susan R. Fletcher, http://www.cnie.org/nle/clim-3.html, Feb. 4, 1999)
88. **Global Climate Change II –** (Wayne A. Morrissey & John R. Justus, http://www.cnie.org/nle/clim-24.html, May 13, 1999)
89. **Greenhouse Gas Emission Abatement: Equitable Burden Sharing –** (Fayen D'Evie & John Taylor, Ambio, v28 n2 p148, Mar. 1999)
90. **The Kyoto Protocol: CO2, CH4 and climate implications –** (T.M.L. Wigley, Geophysical Research Letters, v25 n13 p2285-2288, Jul. 1, 1998)
91. **Pollution Permits for Greenhouse Gases? –** (Jocelyn Kaiser, *Science*, v282 n5391 p1025)
92. **The Key to the Success of the Kyoto Protocol: Integrity, Accountability and Compliance –** (Annie Petsonk & Chad Carpenter, *Linkages Journal*, http://www.iisd.ca/linkages/journal/, v4 n2, May 28, 1999)
93. **A Low-Cost Way to Control Climate Change –** (Byron Swift, *Issues in Science and Technology*, p75-81, Spr. 1998)
94. **Ministerial Talks on Climate Change Set for 2-4 November in Bonn –** (United Nations, http://www.unfccc.int/press/pr699sb.html, Jun. 11, 1999)

95. **Climate Talks to Start Drafting Rulebook for Kyoto Emissions Cuts –** (United Nations, http://www.unfccc.de/press/pr5-99.htm, May 1999)
96. **Signatories to the Kyoto Protocol –** (United Nations, http://www.unfccc.int/press/presse/presskp.html, Mar. 16, 1999)
97. **Greenhouse gas deadline pact –** (Vanessa Houlder, *Financial Times*, Nov. 16, 1998)
98. **Anticipated Climate Changes in a High-CO2 World: Implications for Long-Term Planning –** (Jerry D. Mahlman (speaker), *USGCRP*, http://www.usgcrp.gov/usgcrp/seminars/9799DD.html)
99. **World Responds to Climate Change and Ozone Loss –** (Alan Miller & Mack McFarland, *Forum for Applied Research and Public Policy*, v11 p55-63, Summ. 1996)
100. **Kyoto and Beyond –** (Robert M. White, *Issues in Science and Technology*, p59-65, Spr. 1998)
101. **Implementing the Kyoto Protocol –** (Rob Coppock, *Issues in Science and Technology*, p66-74, Spr. 1998)
102. **U.S. State Reports on Population and Environment: Climate Change Chapter –** (Victoria D. Markham et al., Center for Environment (CEP), www.cepnet.org, 2002)
103. **Bogging Down in the Sinks –** (Ashley T. Mattoon, *World Watch*, v11 n6 p28-36, Nov./Dec. 1998)

► Future Trends

104. **Global change and coral reefs: impacts on reefs, economies and human cultures –** (Clive R. Wilkinson, *Global Change Biology*, v2 p547-558, 1996)
105. **Ecological and Socioeconomic Impacts of 1998 Coral Mortality in the Indian Ocean: An ENSO Impact and a Warning of Future Change –** (Clive Wilkinson et al., *Ambio*, v28 n2 p188, Mar.1999)
106. **Climate Change, Hurricanes and Tropical Storms, and Rising Sea Level in Coastal wetlands –** (William K. Michener et al., *Ecological Applications*, v7 n3 p770-801, 1997)
107. **Abrupt Climate Changes Revisited: How Serious and How Likely? –** (Richard B. Alley & Peter B. deMenocal (Speakers), http://www.usgcrp.gov/usgcrp/seminars/980217DD.html)
108. **Global Warming and the Earth's Water Cycle: What do the Changes Mean and Why be Concerned? –** (Thomas R. Karl (speaker), http://www.usgcrp.gov/usgcrp/seminars/971105DD.html)
109. **Sea Level Rise – Global Vulnerability Assessment Atlas –** (CZMC http://www.minvenw.nl/rws/projects/netcoast/gva/, 1992)
110. **Water Resources and Climate Change –** (Kenneth Frederick, http://www.rff.org/issue_briefs/summaries/ccbrf3.htm, Jun. 1997)
111. **Carbon Sinks in the Post-Kyoto World –** (Roger A. Sedjo et al., *RFF Climate Issue Brief #12*, http://www.weathervane.rff.org/features/feature050.html, Oct. 1998)
112. **Changes in Carbon Sources and Sinks: The Outlook for Climate Change and Managing Carbon in the Future –** (Pieter Tans, Jorge L. Sarmiento, & William H. Schlesinger (speakers), http://www.usgcrp.gov/usgcrp/seminars/981201DD.html)
113. **Converting Terrestrial Ecosystems from Sources to Sinks of Carbon –** (Richard A. Houghton, *Ambio*, v23 n4 p267-271, Jun. 1996)
114. **Greenhouse Gas Mitigation Strategies: Preliminary Results from the U.S. Country Studies Program –** (Robert K. Dixon et al., *Ambio*, v25 n1 p26-33, Feb. 1996)
115. **Greenhouse Gas Emissions Inventory and Mitigation Strategies for Asian and Pacific Countries: Summary of Workshop Presentations and Working Group Discussions –** (Hoesung Lee et al., *Ambio*, v25 n4 p220-229, Jun. 1996)
116. **Technology Options for CO2 Mitigation in China –** (He Jiankun et al., *Ambio*, v25 n4 p249-253, Jun. 1996)
117. **Costs of Reducing Carbon Emissions from the Energy Sector: A Comparison of China, India, and Brazil –** (Jayant Sathaye et al., *Ambio*, v 25 n4 p262-267, Jun. 1996)
118. **What Might A Developing Country Climate Commitment Look Like? –** (Kevin A. Baumert et al., *World Resources Institute*, May 1999)
119. **Burying the Problem –** (David Schneider, *Scientific American*, Jan. 1998)
120. **Fossil Fuels Without CO2 Emissions –** (E.A. Parson & D.W. Keith, *Science*, v282 n5391 p1053)

COASTS

► Introduction

1. **Coastal Systems –** (V.H. Heywood (Ed) in *Global Biodiversity Assessment*, p37, 1995)
2. **Ecosystems on the edge –** (Don Hinrichsen, *The Amicus Journal*, v.18 Winter 1997)
3. **Abandoned Seas –** (Peter Weber, *Worldwatch Paper 116*, Nov. 1993)
4. **Coasts in Crisis –** (Don Hinrichsen, *Issues in Science and Technology*, p39, Summer 1996)
5. **A sea of troubles –** (Kieran Mulvaney, *E magazine*, v9 n1 p28-35, Jan/Feb 1998)
6. **Dying Seas –** (Anne E. Platt, *World Watch*, p10, Jan/Feb 1995)
7. **Mangrove Systems –** (V.H. Heywood (Ed) in *Global Biodiversity Assessment*, p387, 1995)
8. **A mangrove is more than just a tree... –** (*AIMS*, 1998)
9. **Mangroves and their products –** (*AIMS*, 1999)
10. **The Global Conservation Status of Mangroves –** (Elizabeth J. Farnsworth, Aaron M. Ellison, *Ambio*, v26 n6 p328-334, Sept 1997)
11. **The Global Distribution and Status of Mangrove Ecosystems –** (Mark D. Spalding, *Intercoast Network-Special Mangrove Edition*, p20, http://brooktrout.gso.uri.edu/comm/download/)
12. **Mangroves and other coastal forests –** (Junaid K. Choudhury, *XI World Forestry Congress*, v6 Topic 36.6, Antalya Turkey, 13-22, Oct. 1997) http://www.fao.org/montes/foda/wforcong/)
13. **Stirring Up the Chesapeake's Cradle of Life –** (Jocelyn Kaiser, *Science*, v281 n5374 p196)
14. **Salt Marshes –** (John M. Teal, *Oceanus*, p13, Spring/Summer 1998)
15. **Natural and human-induced disturbance of seagrasses –** (Frederick T. Short et al., *Environmental Conservation*, p17-27, 1996)
16. **Marine Botanical Communities in Southern Mozambique: Sea Grass and Seaweed Diversity and Conservation –** (Salomoa Olinda Bandeira, *Ambio*, v2 n7-8, Dec 1995)
17. **Great Lakes Erosion Fact Sheet –** (*Great Lakes Hydraulics and Hydrology Branch*)
18. **Coastal zone typology –** (*Dutch Coastal Zone Management Center*, http://www.minvenw.nl/projects/netcoast/coast/typology.htm)
19. **Natural processes –** (*Dutch Coastal Zone Management Center*, http://www.minvenw.nl/projects/netcoast/process/natural.htm)
20. **CZM and the coast sub-system –** (*Dutch Coastal Zone Management Center*, http://www.minvenw.nl/projects/netcoast/coast/coast/coastsub.htm)
21. **Coastal – Zone Biodiversity Patterns –** (G. Carleton Ray, *BioScience*, v41 n7, Jul/Aug 1991)
22. **Varying Effects of Low Dissolved Oxygen on Trophic Interactions in an Estuarine Food Web –** (Denise L.Breitburg, et al, *Ecological Monographs*, p489-507, 1997)
23. **Mangrove biodiversity and ecosystem function –** (Christopher B. Field et al., *Global Ecology & Biogeography Letters*, v7 p3-14, 1998)
24. **Global Patterns of Pre-Dispersal Propagule Predation in Mangrove Forests –** (Elizabeth J. Farnsworth, et al., *Biotropica*, v29 n3 p318-330, 1997)
25. **Ecological role of grapsid crabs in mangrove ecosystems: a review –** (S.Y. Lee, *Mar. Freshwater Res.*, v49 p335-343, 1998)
26. **Utilization of mangroves and seagrasses by fishes in the Negombo Estuary, Sri Lanka –** (L. Pinto et al., *Marine Biology*, v126 p333-345, 1996)
27. **Larvae Dispersion in Coral Reefs and Mangroves –** (Eric Wolanski et al., *American Scientist*, v85 p236-46, May/Jun 1997)
28. **Oceans and Coasts: Facts About Oceans and Coasts –** (*World Resources Institute*, http://www.wri.org/facts/oceans.html)
29. **Mangrove vegetation: an evolutionary perspective –** (P. Saenger, *Mar. Freshwater Res.*, v49 p277-286, 1998)
30. **Coastlines at Risk: An Index of Potential Development-Related Threats to Coastal Ecosystems –** (Dirk Bryant et al., *WRI*)
31. **Overview of Regional Status and Trends –** (*United Nations Environment Programme, GEO-1*, http://www.unep.org/unep/eia/geo1/exsum/ex3.htm, 1997)
32. **Polar Regions –** (*United Nations Environment Programme, GEO-1*, Chapter 2: Regional Perspectives, http://grid2.cr.usgs.gov/geo1/ch/ch2_15.htm.htm, 1997)
33. **Latin America & the Caribbean –** (*United Nations Environment Programme, GEO-1*, Chapter 2: Regional Perspectives, http://www.unep.org/unep/eia/geo1/ch/ch2_9.htm, 1997)
34. **Europe & CIS countries –** (*United Nations Environment Programme, GEO-1*, Chapter 2: Regional Perspectives, http://grid2.cr.usgs.gov/geo1/ch/ch2_7.htm, 1997)
35. **Asia & the Pacific –** (*United Nations Environment Programme, GEO-1*, Chapter 2: Regional Perspectives, http://grid2.cr.usgs.gov/geo1/ch/ch2_5.htm, 1997)

36. **Africa –** (*United Nations Environment Programme, GEO-1*, Chapter 2: Regional Perspectives, http://grid2.cr.usgs.gov/geo1/ch/ch2_3.htm, 1997)
37. **West Asia –** (*United Nations Environment Programme, GEO-1*, Chapter 2: Regional Perspectives, http://grid2.cr.usgs.gov/geo1/ch/ch2_13.htm, 1997)
38. **The Artic –** (*United Nations Environment Programme, GEO-1*, Chapter 2: Regional Perspectives, http://grid2.cr.usgs.gov/geo1/ch/ch2_16.htm, 1997)
39. **North America –** (*United Nations Environment Programme, GEO-1*, Chapter 2: Regional Perspectives, http://grid2.cr.usgs.gov/geo1/ch/ch2_11.htm, 1997)

► Coasts and Population

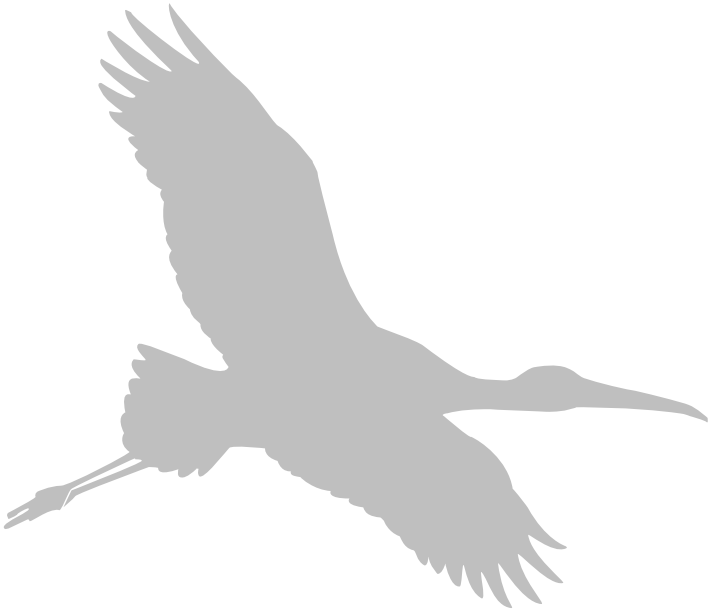
40. **Coastal Population Growth –** (Don Hinrichsen, *Coastal Waters of the World*, Chapter 1, 1998)
41. **Humanity and the world's coasts: A status report –** (Don Hinrichsen, *The Amicus Journal*, v18 n4 p16 Winter 1997)
42. **Estimates of Coastal Populations –** (Joel E. Cohen et al., *Science*, v278 n5341 p1209c)
43. **Perception and Reality: Assessing Priorities for Sustainable Development in the Niger River Delta –** (David Moffat et al., *Ambio*, v24 n7-8, Dec.1995)
44. **Coastal Demographics and Development Patterns –** (Jeffrey A. Zinn, *Oceans & Coastal Resources: A Briefing Book Congressional Research Service Report 97– 588 ENR*, http://www.cnie.org/nle/mar-20/j.html)
45. **Holding the World at Bay –** (Susan Pollack, *Sierra*, v81 p50-5, May/Jun. 1996)
46. **Economic Values of Ecological Services from a Mangrove Ecosystem –** Intercast Network **–** (Miguel A. Cabrera et al., http://brooktrout.gso.uri.edu/comm/download/, Fall 1998)
47. **Mangrove Management and Utilization in Eastern Africa –** (A.K. Semesi, *Ambio*, v27 n8, Dec.1998)
48. **Men, Women and Natural Resources in Kwale District, Kenya –** (Scolastica A. Juma, *Ambio*, v27 n8, Dec. 1998)
49. **Different kinds of mangrove forests provide different goods and services –** (Katherine C. Ewel et al., *Global Ecology and Biogeography Letters*, v7 p83-94, 1998)
50. **Trade-offs of mangrove area development in the Philippines –** (Donna J. Nickerson, *Ecological Economics 28*, p279-298, 1999)
51. **Paradise Threatened: Land Use and Erosion on St. John, Us Virgin Islands –** (Lee H. MacDonald et al., *Environmental Management*, v21 n6 p851-863, 1997)
52. **Environmental Economics in Estuary Management: The Peconic Estuary Program –** (James J. Opaluch et al., *Intercoast Network*, http://brooktrout.gso.uri.edu/comm/download/, Fall 1998)
53. **The economic valuation of saltwater marsh supporting marine recreational fishing in the southeastern United States –** (Frederick W. Bell, *Ecological Economics 21*, p243-254, 1997)
54. **Coastal and Fisheries Resources in Danger –** (Don Hinrichsen, *Coastal Waters of the World* Chapter 2, 1998)
55. **A fisherman's tale (Survey 4 of 7) –** (*The Economist*, n2520, May 23, 1998)
56. **Fishing destroys kelp beds, study finds –** (*The Dominion* (Wellington), June 17, 1999)
57. **Florida Bay's Troubled Fisheries: The Everglades Connection –** (*WWF*)
58. **"No-Take' Zones Spark Fisheries Debate –** (Karen F. Schmidt, *Science*, v277 n5325 p489)
59. **GESAMP: Integration of Aquaculture into Coastal Management –** (*FAO Fisheries Department*, http://www.fao.org/waicent/faoinfo/fishery/meetings/gesamp/wg31cm.asp)
60. **Danger, shrimps at work –** (John Krebs, *New Scientist*, Feb. 21, 1998)
61. **From small beginnings –** (George Chamberlain, *New Scientist*, Mar. 21, 1998)
62. **Environmental Impact of Prawn Farming on Dutch Canal: The Main Water Source for the Prawn Culture Industry in Sri Lanka –** (A.S.L.E. Corea et al., *Ambio*, v24 n7-8, Dec. 1995)
63. **Self-pollution: A Major Threat to the Prawn Farming Industry in Sri Lanka –** (Agnes Corea et al., *Ambio*, v27 n8, Dec. 1998)
64. **Fluxes and Mass Balances of Nutrients in a Semi – Intensive Shrimp Farm in North-Western Mexico –** (F. Paez-Osuna et al., *Marine Pollution Bulletin*, v34 n5 p290-297, 1997)
65. **Abandoned Shrimp Ponds: Options for Mangrove Rehabilitation –** (N.J. Stevenson et al., *Intercoast Network– Mangrove Edition*, http://brooktrout.gso.uri.edu/comm/download/IC-Mangrove.pdf)
66. **Aquaculture in Madagascar's Mahajamba Bay –** (M. Rasolofoharinoro et al., http://brooktrout.gso.uri.edu/comm/download/IC-Mangrove.pdf)

67. **Market Opportunities for Addressing the Environmental and Social Impacts of Wild-Captured and Pond-Produced Shrimp –** (Jason W. Clay, *Intercoast Network – Mangrove Edition*, http://brooktrout.gso.uri.edu/comm/download/IC-Mangrove.pdf)
68. **Farming and Physiology of the Red Algae Eucheuma: Growing Commercial Importance in East Africa –** (Jonas Collen et al., *Ambio*, v24 n7-8, Dec. 1995)
69. **Some Environmental Aspects of Open Water Algal Cultivation: Zanzibar, Tanzania –** (Ron W. Johnstone, *Ambio*, v24 n7-8, Dec. 1995)
70. **The Development of Open-water Algae Farming in Zanibar: Reflections on the Socioeconomic Impact –** (Per Pettersson-Lofquist, *Ambio*, v24 n7-8, Dec. 1995)
71. **An Introduction to Marine Pollution –** (http://environment.tqn.com/library/weekly/aa010498.htm, Jan. 1, 1998)
72. **Cleaning up the seas –** (Bruce McKay and Kieran Mulvaney, *People & the Planet*, v7 n2, p14, 1998)
73. **On the edge –** (The Economist, n2395, May 1998)
74. **Nutrient Biogeochemistry of the Coastal Zone –** (T.D. Jickells, *Science*, v281 n5374 p217)
75. **Is Coastal Eutrophication Out of Control –** (Janet Pelly, *Environmental Science & Technology/ News 462A*, Oct.1, 1998)
76. **Human Impact on Nitrate Export: An Analysis Using Major World Rivers –** (Nina F. Caraco et al., *Ambio*, v28 n2, p167, Mar. 1999)
77. **Effects of Stormwater Nutrient Discharges on Eutrophication Processes in Nearshore Waters of the Florida Keys –** (Brian E. Lapointe et al., *Estuaries*, v19 n2B p422-435, Jun. 1996)
78. **Coastal eutrophication and harmful algal blooms: Importance of atmospheric deposition and groundwater as "new" nitrogen and other nutrient sources –** (Hans W. Paerl, *Limnology Oceanology*, v42 (5 part 2) p1154-1165, 1997)
79. **Trends in the Types, Amounts, and Toxicity of Pesticides Used in Tanzania –** (Avil J. Mmochi et al., *Ambio*, v27 n8 p669, Dec. 1998)
80. **Nitrogen pollution in the European Union – an economy – environment confrontation –** (Ester Van Der Voet et al., *Environmental Conservation*, v23 n3 p198-206, 1996)
81. **Influence of grazing and nitrogen loading on benthic microalgal biomass in estuaries of Waquoit Bay, Massachusetts –** (Elisabeth J. Duffy et al., *The Biological Bulletin*, v193 n2 p285-286, 1999)
82. **Variability in responses to nutrients and trace elements, and transmission of stressor effects through an estuarine food web –** (Denise L. Breitburg et al., *Limnology & Oceanography*, n44 (3 part 2) p837-863, 1999)
83. **Marine Debris Kills and Injuries –** (*Center For Marine Conservation*, http://www.cmc-ocean.org/mdio/facts.php3)
84. **Coastal Debris –** (*EPA Office of Water*, http://www.epa.gov/OWOW/coastal/debris.html)
85. **Beach sweeping and ocean keeping –** (*Sea Frontiers*, v39 n4 p30, Jul. 1993)
86. **A Word From the International Oceanographic Foundation –** (Kurt C. Heinonen, *Sea Frontiers*, v40 p10 Dec. 1994)
87. **New Study Traces Padre Island Trash to Shrimpers –** (M. Katherine Heinrich, *National Parks*, v69 p21-3, Sept/Oct. 1995)
88. **Lessons from the experimental oiling of mature mangroves –** (*AIMS Research*, http://www.aims.gov.au/pages/research/mangroves/exp-oiling01.html)
89. **The 1997-1998 Mass Bleaching Event Around the World –** (*AIMS Research*, http://www.aims.gov.au/pages/research/coral-bleaching/1997-98-mbe/mbe-01.html)
90. **Large-Scale Damage to Mangrove Forests Following Two Large Oil Spills in Panama –** (Norman C. Duke, *Biotropica*, v29 n1 p2-14, 1997)
91. **Retention and Distribution of Heavy Metals in Mangrove Soils Receiving Wastewater –** (N. F. Y. Tam et al., *Environmental Pollution*, v94 n3 p283-291, 1996)
92. **Concentrations and Spatial Distribution of Trace Metals in Mangrove Sediments from the Brisbane River, Australia –** (A. P. Mackey, *Environmental Pollution*, v90 n2 p181-186, 1995)
93. **Effects of wastewater discharge on microbial populations and enzyme activities in mangrove soils –** (N. Y. Y. Tam, *Environmental Pollution*, v102 p233-242, 1998)
94. **Health Ecological and Economic Dimensions of Global Change Program –** (*Health Ecological and economic Dimensions of Global Change Program. Marine Ecosystems: Emerging Disease as Indicators of Change*, Dec. 1998)
95. **Shellfish-molluscs and crustacea –** (*Health Ecological and economic Dimensions of Global Change Program. Marine Ecosystems: Emerging Disease as Indicators of Change*, Dec. 1998)
96. **Conclusions and Recommendations –** (*Health Ecological and economic Dimensions of Global Change Program. Marine Ecosystems: Emerging Disease as Indicators of Change*, Dec. 1998)

97. **Appendix II: The Cost of the Pfiesteria Outbreak, Summer 1997 –** (*Health Ecological and economic Dimensions of Global Change Program. Marine Ecosystems: Emerging Disease as Indicators of Change*, Dec. 1998)
98. **Harmful Algae News –** (*The Intergovernmental Oceanographic Commission of UNESCO*, n18, Jan. 1999)
99. **Marine pollution and coral reefs –** (Zvy Dubinsky et al., *Global Change Biology*, v2 p511-526)
100. **Death by Suffocation in the Gulf of Mexico –** (David Malakoff, *Science*, v281 n5374 p190)
101. **Conservation biology: What killed the monk seals? –** (John Harwood, *Nature*, v393 p17-18, 1998)
102. **Did algal toxins cause monk seal mortality? –** (Mauro Hernandez et al., *Nature*, v393 p28-29,1998)
103. **Accelerating Invasion Rate in a Highly Invaded Estuary –** (Andrew N. Cohen et al., *Science*, v279 n5350 p555)
104. **Mangroves as alien species: the case of Hawaii –** (James A. Allen, *Global Ecology and Biogeography Letters*, v7 p61-71, 1998)
105. **Bering sea fish and wildlife affected by combination of environmental changes and human activity –** (*National Research Council*, http://www.nas.edu/onpi/pr/feb96/bering-c.html Feb. 21, 1996)
106. **Foiling the Zebra Mussel –** (S. Jerrine Nichols, *National Wildlife*, v36 n3 p10, Apr/May 1998)
107. **Troubled waters in North Pacific –** (*New York Times*, Jan. 13, 1999)
108. **Killer Whale Predation on Sea Otters Linking Oceanic and Nearshore Ecosystems –** (J. A. Estes et al., *Science*, v282 n5388 p473)
109. **Coastal Marine Communities: Trends, and Perspectives from Human-Exclusion Experiments –** (Juan Carlos Castilla, *Trends in Ecology and Evolution*, v14 n7 p280, July 1999)
110. **Human Disturbance and Long Term Changes on a Rocky Intertidal Community –** (Loana Addessi, *Ecological Applications*, v4(4) p786-797, 1994)
111. **Recovery from small-scale anthropogenic disturbances by northern California salt marsh plant assemblages –** (Stuart K. Allison, *Ecological Applications*, v5(3) p693-702, 1995)
112. **Assessment of Coastal Vulnerability to Climate Change –** (Richard J. T. Klein et al., *Ambio*, v28 n2, Mar. 1999)
113. **Climate warning and the decline of zooplankton in the California current –** (Dean Roemmich, *Science*, v267 n5202 p1324 , Mar. 3, 1995)
114. **Climate-Ocean Variability and Ecosystem Response in the Northeast Pacific –** (John A. McGowan et al., *Science*, v281 n5374, p210)
115. **Natural resource management in mitigating climate impacts: the example of mangrove restoration in Vietnam –** (Nguyen Hoang Tri, *Global Environmental Change*, v8 n1 p49-61, 1998)
116. **Tragedy of Commons??? – Land-based marine pollution –** (Klaudiusz Wesolek, http://www.geocities.com/CapitolHill/7803/eco.html, May 18, 1997)
117. **Introduction –** (Commission on Sustainable Development: Fourth Session – http://www.un.org/esa/sustdev/iacsd.htm, 1996)
118. **Addendum –** (Commission on Sustainable Development: Fourth Session – http://usinfo.state.gov/topical/global/environ/latest/00042501.htm, 1996)
119. **International Law Regime: Marine Pollution –** (http://trc.ucdavis.edu/GAWS/122/1echo/regime.htm, May 14, 1996)
120. **Aquatic Risk Assessment of Chemicals: Is It Working? –** (Peter Matthiessen, *Environmental Science & Technology*, Oct 1, 1998)
121. **The Role of the Ramsar Convention in Mangrove Management: Special Mangrove Edition –** (Peter R. Bacon, *Intercoast Network*, http://brooktrout.gso.uri.edu/comm/download/)
122. **The Reality of the Stomach: Coastal Management at the Local Level in Eastern Africa –** (David Moffat et al., *Ambio*, v27 n8 p590, Dec.1998)
123. **Coastal Zone Management in Eastern Africa Including the Island States: A Review of Issues and Initiatives –** (Christine A. Coughanowr et al., *Ambio*, v24 n7-8 ,Dec.1995)
124. **Coastal Resource Management in Cuba –** (M.Kyewalyanga, *Ambio*, v27 n8 p766, Dec.1998)
125. **SEACAM: Coastal Zone management in Eastern Africa has taken a New Approach –** (Custodio Voabil et al., *Ambio*, v27 n8, p448Dec. 1998)
126. **The challenge of integrated management –** (*Netcoast*, http://www.netcoast.nl/info/coast.htm)
127. **Lessens Learned from Practicing Integrated Coastal Management in Southeast Asia –** (Chua Thia-Eng, *Ambio*, v27 n8 , Dec. 1998)
128. **A Learning-based Approach to Coastal Management –** (Stephen B. Olsen et al., *Ambio*, v27 n8, Dec. 1998)
129. **Using Integrated Coastal Management and Economics to Conserve Coastal Tourism Resources in Sri Lanka –** (Alan T. White et al., *Ambio*, v26 n6 p599, Sept. 1997)

► Future Trends

130. **Perception and Reality: Assessing Priorities for Sustainable Development in the Niger River Delta –** (David Moffat and Olof Linden, *Ambio*, v24 n7-8 p527, Dec 1995)
131. **Marine Resource Use and the Establishment of a Marine Park: Mafia Island, Tanzania –** (Jessica E. C. Anderson et al., *Ambio*, v24 n7-8 p475 Dec. 1995)
132. **User Groups Play Key Role in St. Lucia-Special Mangrove Edition –** (Mathias Burt et al., *Intercoast Network-Special Mangrove Edition*, http://brooktrout.gso.uri.edu/comm/download/)
133. **Key Principles Towards Effective Management of Coastal and Marine Resources –** (Australian Nature Conservancy Agency, *Marine Protected Areas and Biosphere Reserves: Towards a New Paradigm*, http://www.unesco.org/mab/br/brbullet/br3_05b.htm)
134. **Protected Area Buzzwords- An Attempt to Define some Current Terminology in a More Meaningful Way –** (D.J. Brunckhorst, *Marine Protected Areas and Biosphere Reserves: Towards a New Paradigm*, http://www.unesco.org/mab/br/brbullet/br3_05b.htm)
135. **A Novel Approach to Identify and Select Core Reserve Areas, and to Apply UNESCO Biosphere Reserve Principles to the Coastal Marine Realm –** (D.J. Brunckhorst et al., *Marine Protected Areas and Biosphere Reserves: Towards a New Paradigm*, http://www.une.edu.au/ecosys/brunck/MAB_PAPR.htm)
136. **What Are Coastal and Marine Protected Areas Supposed to Do? –** (Frank M. Potter, *Marine Protected Areas and Biosphere Reserves: Towards a New Paradigm*, http://www.ea.gov.au/coasts/mpa/)
137. **The Role of Monitoring In Environmental Management –** (Charles A. Jacoby, *Marine Protected Areas and Biosphere Reserves: Towards a New Paradigm*, http://www.ea.gov.au/coasts/mpa/)
138. **Marine reserves are necessary but not sufficient for marine conservation –** (Gary Allison et al., *Ecological Applications*, http://www.seaweb.org/lub1.html, Jun. 1996)
139. **Chapter 3: Managing Coastal Areas Sustainably –** (Don Hinrichsen, *Coastal Waters of the World*, p31-43, 1998)
140. **International experiences in Integrated Coastal Zone Management and future outlook –** (*Netcoast*, http://www.minvenw.nl/projects/netcoast/experien/experien.htm)
141. **Private Protection of the Marine Environment, Tanzania: A Case Study –** (Thomas Sterner, *Ambio*, v27 n8 p768, Dec.1998)
142. **Chapter 18: A Future for Coastal Seas –** (Don Hinrichsen, *Coastal Waters of the World*, p225-232)
143. **The Restoration of Mangroves Ecosystems –** (Colin Field, *Intercoast Network-Special Mangrove Edition*, http://www.ncl.ac.uk/tcmweb/rehab/)
144. **Rationales and practices of mangrove afforestation –** (Colin Field, *Mar. Freshwater Res.*, v49 p353-358, 1998)
145. **Mangrove Restoration: A Potential Tool for Coastal Management in Tropical Developing Countries –** (Ursula Kaly, *Ambio*, v27 n8 , Dec. 1998)
146. **Developing procedures for the sustainable use of mangrove systems –** (Tom Franks et al., *Agricultural Water Management*, v40 p56-64, 1999)
147. **European marine protection agreement aims for zero discharges –** (*ENDS Environment Daily*, http://www.ends.co.uk)



Coral Reefs

► Introduction

1. **Reefs at Risk –** (Dirk Bryant, Lauretta Burke, Dr. John William McManus, Mark Spading, *World Resources Institute*, 1998)
2. **Coral Reefs: Assessing the Threat –** (Leslie Roberts (Ed.), *World Resources : A Guide to the Global Environment 1998-99*, p193)
3. **Coral Reefs –** (V.H. Heywood (Ed.), *Global Biodiversity Assessment*, p381, 1995)
4. **Reefs at Risk –** (*Australian Institute of Marine Science*, http://www.aims.gov.au/pages/research/project-net/reefs-at-risk/apnet-rar00.html)
5. **Evolution and Zoogeography of Coral Reefs –** (Yair Achituv and Zvy Dubinsky in David W. Goodall and Zvy Dubinsky (Eds.), *Coral Reefs: Ecosystems of the World 25*, p19, 1990)
6. **Irradiance and Corals –** (Paul G. Falkowski, Paul L. Jokiel, and Robert A. Kinzie III, in David W. Goodall and Zvy Dubinsky (Eds.), *Coral Reefs: Ecosystems of the World 25*, p89, 1990)
7. **The Role of Symbiotic Algae in Carbon and Energy Flux in Reef Corals –** (L. Muscatine in David W. Goodall and Zvy Dubinsky (Eds.), *Coral Reefs: Ecosystems of the World 25*, p75, 1990)
8. **Coral Reef Algae –** (Tamar Berner in David W. Goodall and Zvy Dubinsky (Eds.), *Coral Reefs: Ecosystems of the World 25*, p253-261, 1990)
9. **Aspect of Trophic Relations, Productivity and Energy Balance in Coral Reef Ecosystems –** (YU.I. Sorokin in David W. Goodall and Zvy Dubinsky (Eds.), *Coral Reefs: Ecosystems of the World 25*, p401, 1990)
10. **Sex, symbiosis and coral reef communities –** (Robert A. Kinzie, *American Zoologist*, v39 n1 p80-91, Feb. 1999)
11. **Coral Reefs: Recruitment in space and time –** (Peter F. Sale, *Nature*, p25-27, January 1999)
12. **Threats to Reefs –** (*WRI Coastal and Marine Resources*, http://www.wri.org/wri/indictrs/threatrr.htm)
13. **Coral Reefs in Crisis –** (Don Hinrichsen, *Bioscience*, v47 n9 p 554 558, Oct 1997)
14. **Integration of Local and Regional Perspectives on the Species Richness of Coral Assemblages –** (Ronald H. Karlson, *American Zoologist*, v39 p104 112, 1999)
15. **State of the Reefs: Regional and Global Perspectives –** (Stephen C. Jameson, John W. McManus, Mark D. Spalding, *International Coral Reef Initiative Executive Secretariat Background paper*, May 1995, http://www.ogp.noaa.gov/misc/coral/sor/)
16. **New Estimates of Global and Regional Coral Reef Areas –** (M.D. Spalding & A.M Grenfell, *Coral Reefs*, v16 p225 230, 1997)

► Coral Reefs and Population

17. **Impacts of Fishing on Tropical Reef Ecosystems –** (Simon Jennings, *Ambio*, v25 n1, 2/96)
18. **Effects of Fishing on the Ecosystem Stricture of Coral Reefs –** (Callum M. Roberts, *Conservation Biology*, v8 n5 p988-995, 1995)
19. **Equivalence in Yield from Marine Reserves and Traditional Fisheries Management –** (Alan Hastings and Louis. W. Botsford, *Science*, v284 n5419 p1537)
20. **Marine Reserves: They Enhance Fisheries, Reduce Conflict, and Protect Resources –** (James A. Bohnsack, *Oceanus*, p63, Fall 1993)
21. **Symbiosis, Fisheries and Economic Development on Coral Reefs –** (Charles Birkeland, *Trends in Ecology and Evolution*, v12 n9, Sept. 1997)
22. **Sullied Seas: Strategies for Combating Cyanide Fishing in Southeast Asia and Beyond –** (Charles Victor Barber and Vaughan R. Pratt, World Resources Institute, 1997)
23. **Fishery Recovery in a Coral Reef Marine Park and Its Effect on the Adjacent Fishery –** (T.R. McClanahan and B. Kaunda Arara, *Conservation Biology*, v10 n4 p1187-1199, 1999)
24. **The Bermuda Fisheries: A Tragedy of the Commons Averted? –** (James N. Bulter et al., *Environment*, Jan 1993)
25. **Effects of Marine Reserves on Coral Reef Fish Communities from Five Islands in New Caledonia –** (L. Wantiez et al., *Coral Reefs*, v16 p215 224, 1997)
26. **The Effects of Marine Parks and Fishing on Coral Reefs of Northern Tanzania –** (F.R. McClanahan et al., *Biological Conservation*, v89 p161 182, 1999)
27. **White Pox –** (*Science* v272 n5295 p2017)
28. **Rapid Wasting Disease: Pathogen or Predator? –** (Andrew Bruckner and Robin Bruckner, *Science*, v279 n5339 p2019)
29. **Coral Reefs and Population topics –** James M. Cervino et al., *Science*, v280 n5363, 1998)
30. **Mass Spawning by Green Algae on Coral Reefs –** (Kenneth E. Clifton, *Science*, v275 n5303 p116)

31. **Coral Reefs: Present Problems and Future Concerns Resulting from Anthropogenic Disturbance –** (Robert H. Richmond, *American Zoologist*, v33 p524 536, 1993)
32. **How Coral Reefs Respond to Stress –** (AIMS Research in Status of the Worlds Coral Reefs: Executive Summary, http://www.aims.gov.au/pages/research/reefs/wcr-status/wcr-01.html)
33. **Natural and Anthropogenic Disturbance on Coral Reefs –** (Richard W. Grigg and Steven J. Dollar in David W. Goodall and Zvy Dubinsky (Eds.), *Coral Reefs: Ecosystems of the World 25*, p439-451, 1990)
34. **Disturbance and recovery of Coral Assemblages –** (J.H. Connell, *Coral Reefs* v16(S) p101 113, 1997)
35. **Coral Reefs of Sri Lanka: Human Disturbance and Management Issues –** (Arjan Rajasuirya et al., *Ambio* v24 n7, 8 Dec. 1995)
36. **Indonesian Coral Reefs An Economic Analysis of a Precious but Threatened Resource –** (Herman Cesar et al., *Ambio* v26 n6, Sept.1997)
37. **Reefs since Columbus –** (J.B.C. Jackson, *Coral Reefs*, 16(S) p23-32, 1997)
38. **Estimates of Coastal Populations –** (Joel E. Cohen et al., *Science*, v278 n5341, p1209c)
39. **Brighter Prospects for the World's Coral Reefs? –** (Elizabeth Pennisi, *Science*, v277 n5325 p491)
40. **Hidden Holocaust on the Reef –** (*People and the Planet*, v6 n2, http://www.oneworld.org/patp/vol6_2/pressrelease.html)
41. **Global Climate Change and Coral Reefs: Implications for People and Reefs –** (Clive R. Wilkinson & Robert W. Buddemeier, 1994) — This document contains excellent introductory materials as well.
42. **The 1997 – 1998 Mass Bleaching Event Around the World –** (AIMS Research, http://www.aims.gov.au/pages/research/coral-bleaching/1997-98-mbe/mbe-00.html)
43. **Coral Reefs and Global Change: Adaptation Acclimation, or Extinction? –** (AIMS Symposium and Workshop Report – Overview, http://www.aims.gov.au/pages/research/coral-bleaching/global-change/global-change-00.html)
44. **Geochemical Consequences of Increased Atmospheric Carbon Dioxide on Coral Reefs –** (Joan A. Kleypas et al., *Science*, v284 n5411 p118)
45. **Coral Bleaching: Causes and Consequences –** (B.E. Brown, *Coral Reefs* v16(S) p129-138, 1997)
46. **Landscape Ecology of Algal Symbionts Creates Variation in Episodes of Coral Bleaching –** (Rob Rowan et al., *Nature*, v388 p265-269, 17 July 1997)
47. **Coral Adaptation and Acclimatization: A Most Ingenious Paradox –** (Robert W. Buddemeier and Stephen V. Smith, *American Zoologist*, v29 n1 p1-9, Feb 1999)
48. **Coral Community Adaptability to Environmental Change at the Scales of Regions, Reefs and Reef Zones –** (Terence J. Done, *American Zoologist*, v39 p66 79, 1999)
49. **The Physiological Mechanisms of Acclimatization in Tropical Reef Corals –** (Ruth D. Gates et al., *American Zoologist*, v39 p30 43, 1999)
50. **Paradise Threatened: Land Use and Erosion on St. John, Us Virgin Islands –** (Lee H. MacDonald et al., *Environmental Management*, v21 n6 p851 863, 1997)
51. **Coralline Algae, Important Coral Reef Builders Threatened by Pollution –** (Mats Bjork et al., *Ambio*, v24 n7 8 p502-505, 1995)
52. **Coral Reefs in Saudi Arabia: 3.5 years after the Gulf War oil spill –** (H.P. Vogt, *Coral Reef*, v14 n4 p271-273, 1995) abstract only
53. **Pollution Climate Change Threaten World's Coral Reefs, Says Scientist, State Department –** (*Ocean Update*, 5/99, http://www.seaweb.org/resources/archives.html)
54. **Estimating the Carrying Capacity of Coral Reefs for Scuba Diving –** (Julie P. Hawkins & Callum M. Roberts, *Proc 8th Int Coral Reef Sym 2*, p1923-1926, 1997)
55. **Effectiveness of Coral Protection Programmes in the Ras Mohammed National Park, Egyptian Red Sea –** (Rupert Ormond et al., *Proc 8th Int Coral Reef Sym 2*, p1931-1936, 1997)
56. **Effect of Briefings on Rates of Damage to Corals by Scuba Divers –** (D. Medio et al., *Biological Conservation*, v79 p91-95, 1997)
57. **The Effect of Visitor Use on the Hard Coral Communities of the Kisite Marine Park, Kenya –** (N.A. Muthiga and T.R. McClanahan, *Proc 8th Int Coral Reef Sym 2*, p1879-1882, 1997)
58. **Recreational Diving and Its Impact in Marine Protected Areas in Eastern Australia –** (Vicki J. Harriott et al., *Ambio*, v26 n3 p173-179, 1997)
59. **Marine Bioprospecting for the National Cancer Institute –** (Coral Reef Research Foundation in Palau, *Reef Research*, http://www.reefnet.org/issue7/research7.html)
60. **Maldives on the Beach –** (The Economist, 9 Jan 1999)
61. **The International Coral Reef Initiative (ICRI): Global priorities for the Conservation and Management of Coral Reefs and the need for Partnerships –** (I.J. Dight and L.M. Shert, *Coral Reefs*, v16(S) p139 147, 1997)

62. **International Coral Reef Initiative Report to the UNCSD –** (http://www.nos.noaa.gov/icri/csd/i.html)
63. **Oceans and Law of the Sea: Overview –** (Division for Ocean Affairs and the Law of the Sea, http://www.un.org/Depts/los/losconv1.htm)
64. **International Coral Reef Call to Action –** (http://indaba.iucn.org/old/external/themes/icri/call.html)

► Future Trends

65. **Coral Reefs and Environment Change: Adaptation to What? –** (A. Barrie Pittock, *American Zoologist*, v39 p10 39)
66. **Global Change and Coral Reef Ecosystems –** (S.V. Smith, R.W. Buddemeir, *Annu.Rev.Ecol.Syst.* v23 p89-118, 1992)
67. **Capacity Building for Science and Management in Belize: Towards Sustainable Reef Management –** (S.M. Wells, *Proc.8th Int Coral Reef Sym 2*, p1991-1994, 1997)
68. **Is Ecotourism Sustainable? –** (Geoffrey Wall, *Environmental Management*, v21 n4 p483-491, 1997)
69. **Environmental Limits to Coral Reef Development: Where Do we Draw the Line? –** (Joan A. Kleypas, *American Zoologist*, v39 p146 159, 1999)
70. **Do Artificial Reefs Increase Regional Fish Production? A Review of Existing Data –** (Gary D. Grossman, *Fisheries*, p17 23, April 1997)
71. **Artificial Reefs: The Importance of Comparisons with Natural Reefs –** (Mark H. Carr, *Fisheries*, v22 n4 p28-33, April 1997)
72. **Coral Transplantation in Sheltered Using Unattached Fragments and Cultured Colonies –** (Austin Bowden Kerby, *Proc.8th Int Coral Reef Sym 2*, p2063-2068, 1997)
73. **Advance in Environmental Mooring Technology –** (J.C. Halas, *Proc 8th Int Coral Reef Sym 2*, p1995, 1997)
74. **Connectivity and Management of Caribbean Coral Reefs –** (Callum M. Roberts, *Science*, v278 n5342 p1454)
75. **Episodic Fluctuations in Larval Supply –** (Paul A. Dixon, *Science*, v283 n5407 p1528)
76. **Development of a Marine Protected Area: Mafia Island, Tanzania –** (J. Christopher Horrill, William R.T. Darwall, and Magnus Ngolle, *Ambio*, v25 n1, Feb.1996)
77. **Marine Protected Areas and Biosphere Reserves: 'Towards a New Paradigm' –** (F. Talbot, in *Marine Protected Areas and Biosphere Reserves: 'Towards a New Paradigm'*, Australian Nature Conservation Agency, http://www.ea.gov.au/coasts/mpa/nrsmpa/paradigm/talbot.html)
78. **A Framework for the Contribution of the Science to Effective Coral Reef Management –** (Stephen Bloye Olsen, *Proc 8th Int Coral Reef Sym 2*, p.1973 1976, 1997)
79. **Coral Reef Management –** (Wendy Craik, Richard Kenchington, and Graeme Kelleher in David W. Goodall and Zvy Dubinsky (Eds.), *Coral Reefs: Ecosystems of the World 25*, p453-467, 1990)
80. **Tropical Marine Fisheries and the Future of Coral Reefs: a brief review with emphasis on Southeast Asia –** (J.W. McManus, *Coral Reefs*, v16(S) p121-127, 1997)
81. **Ecological Criteria for Evaluating Coral Reefs and their Implications for Managers and Researchers –** (T.J. Done, *Coral Reefs*, v14 n4 p183, 1995)
82. **Marine Protected Areas and Biosphere Reserves(The Role of Monitoring in Environmental Management) –** (Charles A. Jacoby, in *Marine Protected Areas and Biosphere Reserves: 'Towards a New Paradigm'*, Australian Nature Conservation Agency, http://www.ea.gov.au/coasts/mpa/nrsmpa/paradigm/jacoby.html)
83. **Key Principles Towards Effective Management of Coastal and Marine Resources –** (*Marine Protected Areas and Biosphere Reserves: 'Towards a New Paradigm'*, Australian Nature Conservation Agency, http://kaos.erin.gov.au/portfolio/anca/mpa/principl.html)
84. **Expanding the Horizon(s) of Marine Conservation: the Challenge of Integrated Coastal Management –** (Ian Dutton, in *Marine Protected Areas and Biosphere Reserves: 'Towards a New Paradigm'*, Australian Nature Conservation Agency, http://www.ea.gov.au/coasts/mpa/nrsmpa/paradigm/dutton.html)
85. **Reef Management in Developing Countries a Case Study in the Philippines –** (E.D. Gomez, *Coral Reefs*, n16(S) p3-8, 1997)
86. **Using Integrated Coastal Management and Economics to Conserve Coastal Tourism Resources in Sri Lanka –** (Alan T. White et al., *Ambio*, v26 n6, p335 344, 1997)
87. **Community Based Whole Watershed and Coastal Zone Management in Jamaica –** (T.J. Goreau et al. *Proc 8th Int Coral Reef Sym 2*, p2093-2096, 1997)

DRYLANDS

► Introduction

1. **The Earth's Drylands –** (Smithsonian Institute, http://drylands.nasm.edu.1995/intro.html)
2. **What are Rangelands? –** (*ICIMOD*, http://www.icimod.org.sg/focus/rangelands/rangebasic.htm)
3. **What is a Desert? –** (*USGS*, http://pubs.usgs.gov/gip/deserts/what/)
4. **Regular and Irregular Patterns in Semiarid Vegetation –** (Christopher A. Klausmeier, *Science*, v284 p1826-1828, June 1999)
5. **Quantitative Effects of Grazing on Vegetation and Soils Over a Global Range of Environments –** (D. G. Milchunas and W. K. Laueroth, *Ecological Monographs*, v63 n4 p327-366, 1993)
6. **Influence of Nitrogen Loading and Species Composition on the Carbon Balance of Grasslands –** (David A. Wedin and David Tilman, *Science*, v274 n5293 p1720)
7. **The forests in the conservation and sustainable development of drylands –** (Kabii et al., *Protective and environmental functions of forests, XI World Forest Congress*, v2 p237-243, http://www.fao.org/montes/foda/wforcong/publi/v2/t00e/1-5.htm, Oct. 13-22, 1999)
8. **Debt-for-Environment Swaps for National Desertification Funds –** (*UNDP*, http:/www.undp.org/seed/unso/pub-htm/swap-eng.htm, 1998)
9. **Chapter 12: Managing fragile ecosystems: Combating desertification and drought –** (Agenda 21, Progress Report FAO, http://www.fao.org/sd/epdirect/epre0031.htm, June 1997)
10. **The forests in the conservation and sustainable development of drylands –** (XI World Forestry Congress, v2, http://www.fao.org/forestry/foda/wforcong/publi/v2/t00e/1-6.htm, Oct. 12-22, 1997)
11. **Planning for Sustainable Development in the Drylands –** (*UNDP*, http://www.undp.org/seed/unso/pub-htm/eis-eng2.htm)
12. **Poverty alleviation and land degradation in the drylands: Issues and action areas for the international convention on desertification –** (*UNSO*, http://www.undp.org/seed/unso/public/pov-eng.htm, 1994)
13. **A Market for Drylands and Deserts? –** (Lucy Oriang (Kenya), v22 n2, http://www.idrc.ca/books/reports/v222/market.html, July 1994)
14. **The Sahara is not Marching –** (Richard A. Kerr, *Science*, v281 n5377 p633, Jul. 1998)
15. **Environment: Green Grass, Cool Climate? –** (Jocelyn Kaiser, *Science*, v274 n5293 p1610b, Dec. 1996)
16. **Warm, Warm on the Range –** (Jerry M. Melillo, *Science*, v283 n5399 p183-184, Jan. 1999)
17. **Grassland Vegetation Changes and Nocturnal Global Warming –** (Richard D. Alward et al., *Science*, v283 n5399 p229-231, Jan. 1999)
18. **World's Dryland Farmers Need Agricultural Technology –** (World Bank, *CGIAR*, http://www.worldbank.org/html/cgiar/press/dryland.html)
19. **Small-scale irrigation for arid zones –** (*FAO*, http://www.fao.org/docrep/w3094e/w3094e00.htm, 1997)
20. **Drylands: A Call to Action –** (*IFAD*, p2-23)**Agroforestry in the semi-arid tropics –** (*Unasylva*, n168, http://www.fao.org/docrep/u5200e/u5200e00.htm)
21. **Making land from bare rock –** (*People and the Planet*, v7/1, http://www.oneworld.org/patp/pap_7_1/Harrison.html, 1998)

► Desertification

22. **Desertification, Drought and their Consequences –** (A. P. Koohafkan, http://www.fao.org/WAICENT/FAOINFO/SUSTDEV/Epdirect/Epan0005.htm)
23. **About the Desertification –** (*UNCCD*, http://www.unccd.ch/what.htm)
24. **What is Desertification –** (http://brasil.emb.nw.dc.us/mma/deserto/ingles/se/redesert/desertmi.html)
25. **Desertification –** (WWF, http://www.panda.org/resources/factsheets/general/57desert.htm, 1993)
26. **Desertification –** (http://ps.ucdavis.edu/classes/ire001/env/desert.htm)
27. **Forest areas by main regions in 1995 –** (*FAO Multimedia Collections on Desertification, FACTFILES*, http://www.fao.org/biodiversity/docs/html/w9950e/w9950e02.htm)
28. **Low-Income Food-Deficit Countries –** (*FAO Multimedia Collections on Desertification, FACTFILES*, http://www.fao.org/desertification/objects/factsh/eng/FCT9-e.htm)

29. **Soil limits agriculture –** (*FAO Multimedia Collections on Desertification, FACTFILES*, http://www.fao.org/docrep/u8480e/U8480E0b.htm)
30. **Number of persons chronically undernourished in developing countries –** (*FOA Multimedia Collections on Desertification, FACTFILES*, http://www.foa.org/desertification/objects/factsh/eng/FCT7-e.htm)
31. **Percentage Forest Loss in Selected Developing Countries, 1980-1990 –** (*FAO Multimedia Collections on Desertification, FACTFILES*, http://www.fao.org/desertification/objects/factsh/eng/FCT6-e.htm)
32. **Where have all the forest gone? –** (*FAO Multimedia Collections on Desertification, FACTFILES*, http://www.fao.org/desertification/objects/factsh/eng/FCT5-e.htm)
33. **Main causes of dryland soil degradation by region –** (*FAO Multimedia Collections on Desertification, FACTFILES*, http://www.fao.org/desertification/objects/factsh/eng/FCT4-e.htm)
34. **Spreading Desert Threatens Africa –** (*FAO Multimedia Collections on Desertification, FACTFILES*, http://www.fao.org/desertification/objects/factsh/eng/FCT3-e.htm)
35. **Actual and potential irrigation in Africa by region –** (*FAO Multimedia Collections on Desertification, FACTFILES*, http://www.fao.org/desertification/objects/factsh/eng/FCT2-e.htm)
36. **Desertification: Myths and Realities –** (Olanrewaju B Smith and Saidon Koala, *IDRC Briefings*, http://www.idrc.ca/Media/DesertMyths-e.html)
37. **Man-Induced Desertification? –** (Monique Mainguet et al., *UN University Lectures: 12*, http://www.unu.edu/unupress/lecture12.html)
38. **E-Link: Challenging Desertification in Nepal –** (Derepak Gajurel, http://www.envirolink.org/archives/enews/0635.html)
39. **Desertification in Iceland –** (*Rangeland Desertification International Workshop*, http://www.rala.is/rade/KLUWER/DEFAULT.HTM, Sept. 16-19, 1997)
40. **Workshop Report: Rangeland Desertification International Workshop –** (*Workshop report*, http://www.rala.is/rade/conclusi.htm, Sept. 16-19, 1997)
41. **Desertification and climate change –** (Mike Kelly and Mike Hulme, ODA, *Tiempo issue 9*, http://www.cru.uea.ac.uk/cru/tiempo/issue09/desert.htm)

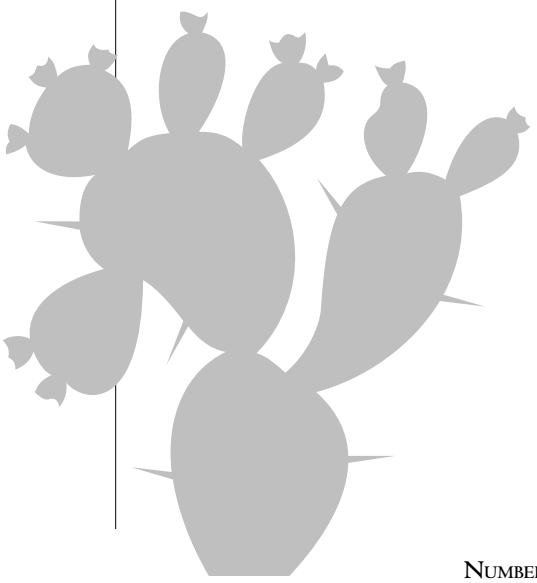
► Desertification Policy, Management, and Development

42. **The role of forestry in combating desertification –** (Yafong Berthe, *XI World Forestry Congress, Special Paper*, http://www.fao.org/montes/foda/wforcong/PUBLI/V2/T10E/1.HTM)
43. **Dryland degradation keeping hundreds of millions in poverty –** (Nada Osseriran, *Convention to Combat Desertification, Press Release*, http://www.unep.ch/iuc/submenu/press/ccd/pr6-97.htm)
44. **The U.N. Convention to Combat Desertification: Dispelling Misconceptions, Building a Case –** (David R. Purkey and Rob Buchanan, http://www.earthaction.org/en/Recent/98, Sept. 1998)
45. **Fact Sheet 1 – An Introduction to the United Nations Convention to Combat Desertification –** (http://www.unccd.int/publicinfo/factsheets/showFS.php?number=1)
46. **Fact Sheet 2 – The Causes of Desertification –** (http://www.unccd.int/publicinfo/factsheets/showFS.php?number=2)
47. **Fact Sheet 3 – The Consequences of Desertification –** (http://www.unccd.int/publicinfo/factsheets/showFS.php?number=3)
48. **Fact Sheet 4 – Action programmes for combating desertification –** (http://www.unccd.int/publicinfo/factsheets/showFS.php?number=4)
49. **Fact Sheet 7 – The role of science and technology –** (http://www.unccd.int/publicinfo/factsheets/showFS.php?number=7)
50. **Fact Sheet 10 – Desertification, global change, and sustainable development –** (http://www.unccd.int/publicinfo/factsheets/showFS.php?number=10)
51. **Fact Sheet 11 – Combating desertification in Africa –** (http://www.unccd.int/publicinfo/factsheets/showFS.php?number=11)
52. **Fact Sheet 12 – Combating desertification in Asia –** (http://www.unccd.int/publicinfo/factsheets/showFS.php?number=12)
53. **Fact Sheet 13 – Combating desertification in Latin America and the Caribbean –** (http://www.unccd.int/publicinfo/factsheets/showFS.php?number=13)
54. **Fact Sheet 14 – Combating desertification in the Northern Mediterranean –** (http://www.unccd.int/publicinfo/factsheets/showFS.php?number=14

55. **Link desertification solutions to biodiversity, climate change and water issues, UNEP urges –** (*UNEP News Release*, http://www.grida.no/inf/news/news98/news116.htm)
56. **A new framework for: Conservation-effective land management and desertification control in Latin America and the Caribbean –** (*FAO*, http://www.fao.org/docrep/W9298E/W9298E00.htm)
57. **Toward Improved Indicators to Measure Desertification and Monitor the Implementation of the Desertification Convention –** (Hartmut Krugman, http://www.idrc.ca/books/focus/794/krugmann.html, Jul. 1994)

► Drylands and Population

58. **Aridity Zones and Dryland Populations –** (*UNSO/UNDP*, An assessment of population levels in the world's drylands(magazine), http://www.undp.org/seed/unso/index.htm, Sept. 1997)
59. **Population and Land Degradation –** (*UNDP*, http://www.undp.org/popin/fao/land/land.html, Sept. 1995)
60. **Drought, Migration and Population Growth in the Sahel: The Case of the Malian Gourma: 1900-1991 –** (Jon Pedersen, Population Studies, v49 p111-126, 1995)



ENERGY

► Introduction

1. **Effects of Energy Taxes and Subsidies on the Economy and the Environment –** (*World Resources 1998-99*, WRI, p92)
2. **International Energy Outlook 1998 With Projections Through 2020 –** (*Report# DOE/EIA-0484-98*, http://www.eia.doe.gov/oiaf/ieo)
3. **Reinvesting in the Energy System –** (Christopher Flavin and Seth Dunn Brown in *State of the World 1999, Millennial Edition*, Worldwatch Institute, p22-40, 1999)
4. **The Environmental Trends that are Shaping our Future –** (Christopher Flavin et al., *Vital Signs,* Worldwatch Institute, 1999, p48-55)
5. **I. Energy and Its Links to Major Issues, II. New Technologies, New Possibilities –** (*UNDO Initiative for Sustainable Energy, Summary*, http://www.undp.org/seed/eap/Publications/1996/1996a.html)
6. **Science Magazine –** (*AAAS*, July 30, 1999)
7. **Energy After Rio: Prospects and Challenges, Executive Summary –** (Amulya K.N. Reddy et al., *UNDP, International Energy Initiative, Energy 21, Stockholm Environment Institute*, 1997)
8. **Energy After Rio: Prospect and Challenges, Chapter 1 – Introduction –** (*UNDP*, 1997)
9. **Energy After Rio: Prospect and Challenges, Chapter 2 – Energy and Major Global Issues –** (*UNDP*, 1997)
10. **Energy After Rio: Prospect and Challenges, Chapter 3 – New Opportunities in Energy Demand, Supply and Systems –** (*UNDP*, 1997)
11. **Energy After Rio: Prospect and Challenges, Chapter 4 – Sustainable Strategies –** (*UNDP*, 1997)
12. **Energy After Rio: Prospect and Challenges, Chapter 5 – Making it Happen: Energy for Sustainable Development –** (*UNDP*, 1997)
13. **Incandescent vs. Compact Fluorescent –** (http://www.ase.org/powersmart/fbulbs.html)
14. **It Starts at Home –** (http://www.ase.org/powersmart/strtshome.html)
15. **Too 'Plugged In –** (http://www.ase.org/powersmart/tooplggd.html)
16. **Energy Production and Consumption, 1985-95 Data Table 15.1 –** (*World Resources 1998-99*, WRI, p333-341)
17. **Oil and Gas Issues at a Glance –** (*The World Bank Group*, **http://www.Worldbank.org/html/fpd/energy/)**
18. **The Demand for Oil Products in Developing Countries –** (Dermont Gately, Shane S. Streifel, *World Bank Discussion Paper No. 359*, 1997
19. **Private Participation in the Transmission and Distribution of Natural Gas – Recent Trends –** (Ada Karina Izaguirre, *The World Bank Group*, n176)
20. **Trends and Markets in Liquefied –** (Rob Shepherd, *The World Bank Group*, n182)
21. **Asia: coal knowledge transferred –** (*NOVEM*, http://www.novem.org.magazine/asia)
22. **286 Clean Coal –** (E. Tavoulareas et al., *World Bank Technical Paper 286*, http://www.worldbank.org/html/fpd/energy/techpapers/wtp286.htm)
23. **240 Renewable Energy Technologies –** (Kulsum Ahmed, A Review of the Status and Costs of Selected Technologies, *World Bank Technical Paper 240*, http://www.worldbank.org/html/fpd/energy/techpapers/wtp240.htm, 1994)
24. **India's Low – Tech Energy Success –** (Payal Sampat, *World Watch*, v8 p21-23, Nov./ Dec. 1995)
25. **279 Solar Energy –** (Dennis Anderson and Kulsum Ahmed, The Case for Solar Energy Investments, *World Bank Technical Paper 279*, http://www.worldbank.org/html/fpd/energy/techpapers/wtp279.htm, 1995)
26. **296 Biomass Gasifiers –** (Hubert Stassen, Biomass Gasifiers for Heat and Power: A Global Review, *World Bank Technical Paper 296*, http://www.worldbank.org/html/fpd/energy/techpapers/wtp296.htm, 1995)
27. **242 Improved Biomass Stoves –** (Douglass Barnes et al, A Comparative International Review of Stove Programs, *World Bank Technical Paper 242*, http://www.worldbank.org/html/fpd/energy/techpapers/wtp242.htm, 1994
28. **Burning Charcoal Issues –** (Robert van der Plas, *The World Bank Group...FPD Energy* n1, http://www.worldbank.org/html, Apr. 1995)
29. **Forests, fuel and the future – Wood energy for sustainable development – Forestry topics report no. 5 –** (Robert Lamb, *FAO*, Chapter 1-6, http://www.foa.org/docrep/, 1995)
30. **The Role of Wood Energy in Asia –** (Prof. Thierry Lefevre et al., *FAO*, http://www.fao.org/docrep/, Nov. 1997)
31. **The Role of Wood Energy in Europe and OECD –** (Richard van den Brock, *FAO*, http://www.fao.org/docrep/, Mar. 1997)
32. **Technology policy and renewable energy: public roles in the development of new energy technologies –** (Jeffrey M. Loiter and Vicki Norberg-Bohm, *Energy Policy*, v27 p85-97, 1999)

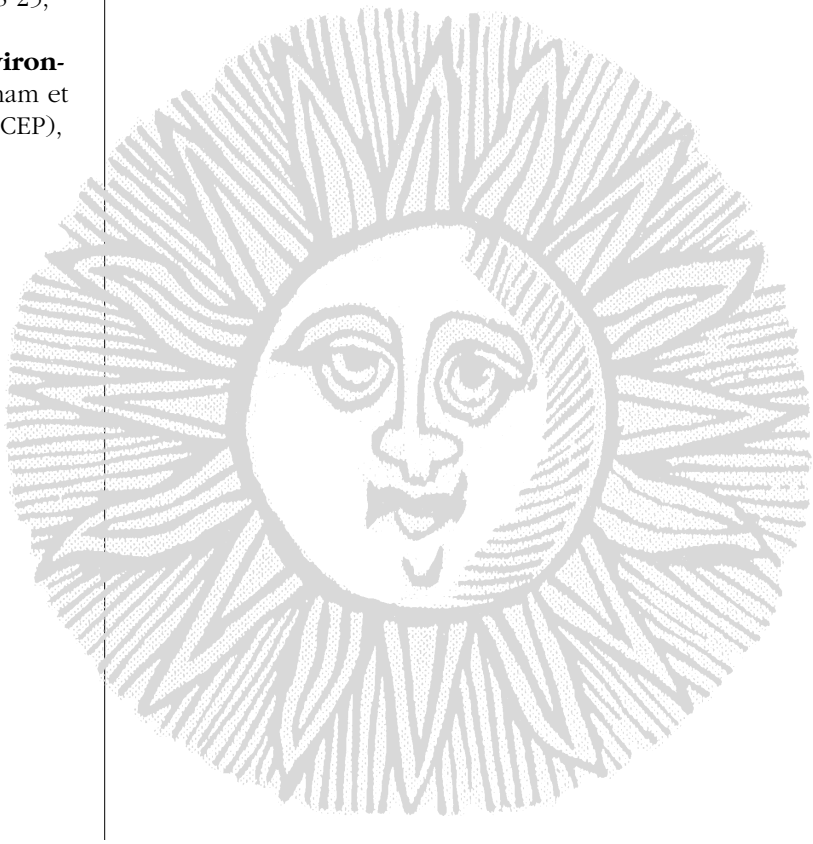
33. **The Real World of Power Sector Regulation –** (Bernard Tenenbaum, *The World Bank Group*, Note No.50 Jun. 1995)
34. **The Impact of IPPs in Developing Countries-Out of the Crisis and into the Future –** (Yves Albouy and Reda Bousba, *The World Bank Group*, **Note No.162 Dec. 1998)**
35. **A Scorecard for Energy Reform in Developing Countries –** (Robert Bacon, *The World Bank Group*, Note No.175 Apr. 1999)
36. **Consequences of Energy Policies for the Urban Poor –** (Douglas Barnes, *The World Bank Group...FPD Energy* n7, Nov. 1995)

► Energy and Population

37. **How Does Population Growth Contribute to Rising Energy Consumption in America? –** (Allan Mazur, *Population and Environment*, v15 n5 p371-378, May 1994)
38. **World Population, Economic Growth, and Energy Demand, 1990-2100: A Review of Projections –** (Bernard Gilland, *Population and Development Review 21*, n3 p507-539, Sept. 1995)
39. **The atomic age is not over yet –** (Tor Ragnar Gerholm, London, Eng. v127 n4404 p22-23, S 25, 1998)
40. **U.S. State Reports on Population and Environment: Energy Chapter –** (Victoria D. Markham et al., Center for Environment and Population (CEP), www.cepnet.org, 2002)

► Future Trends

41. **II New Technologies, New Possibilities –** (*UNDP Initiative for Sustainable Energy*, http://www.undp.org/seed/energy/unise/chapter2.html)
42. **Green-E Renewable Electricity Program Successfully Completes Nation's First Verification of Certified Green Power Offerings –** (Media Information, *Greene Press Release*, Jun. 29, 1999)
43. **Our Green Dream –** (GreenMountain.com)
44. **The World Oil Market –** (*International Energy Outlook 1998*, Report# DOE/EIA-0484)
45. **Sustainable energy –** (*FAO Agenda 21*, June 1997)



FISHERIES

► Introduction

1. **Danger at Sea: Our Changing Ocean – The Cause of Change –** (Seaweb: http://www.seaweb.org/campaigns/danger/causes.html, 6/8/99)
2. **Danger at Sea: Our Changing Ocean – Signs of Trouble –** (Seaweb: http://www.seaweb.org/campaigns/danger/causes.html, 6/8/99)
3. **Oceans and Marine Life at NRDC: Fish Facts –** (National Resource Defense Council: http://www.nrdc.org/wildlife/fish/ffishf.asp, 6/2/99)
4. **FAO Fisheries Department Fishery Facts –** (Food and Agriculture Organization: http://www.fao.org/WAICENT/FAOINFO/FISHERY/fifacts/newfact.asp, 6/1/99)
5. **FAO FactFile: Total Fish production –** (Food and Agriculture Organization: http://www.fao.org/news/factfile/Ff9604-e.htm, 6/1/99)
6. **FAO FactFile: Landings by Fishing area –** (Food and Agriculture Organization: http://www.fao.org/news/factfile/ff9803-e.htm, 6/8/99)
7. **FAO Fisheries Department Recent Trends in Global Fishery Production –** (Food and Agriculture Organization: http://www.fao.org/fi/trends/catch/catch.asp, 6/10/98)
8. **FAO FactFile: World catch of bottom-drilling open-sea (demersal) fish 1950- 1995 –** (Food and Agriculture Organization: http://www.fao.org/news/factfile/FF9707-E.HTM, 6/8/99)
9. **Figure 1: World Fish Supply, Catch, and Aquaculture, 1950-96 –** (FAO FISHSTAT: Fisheries Statistic Yearbook, 1997)
10. **Various Global Marine Fisheries Showing Declines Greater than 65 Percent, between Peak Year of Production and 1996 –** (Worldwatch Institute data based on FAO, *FISHSTAT*, 1998)
11. **Top Ten Fish Producers, by Catch and Share of World Total, 1996 –** (FAO, *State of World Fisheries and Aquaculture*. Rome: 1997)
12. **Table 3. Top 10 Fish Exporters, by Value, 1970-1995 –** (*FAO Fishery Statistics Yearbook*: Commodities, vols, 45 and 81. Rome: 1978 & 1997). Consumer Price Index numbers used for 1970: 0.247; 1995: 0.971; http://www.orst.edu/Dept/pol_sci/sahr.htm, 2/2/98)
13. **Promoting Sustainable Fisheries –** (Anne Platt McGinn, *The State of the World 1998*)
14. **How Bountiful are Ocean Fisheries? –** (Brian J. Rothschild, http://www.gcrio.org/CONSEQUENCES/winter96/oceanfish.html, 6/10/98)
15. **Fish Consumption and Aquatic Ecosystems –** (World Resources Institute, *Critical Consumption Trends and Implications Degrading Earth's Ecosystems*, http://www.igc.org/wri/critcons/fish.pdf, 6/8/99)
16. **The World's Imperiled Fish –** (Carl Safina, *Scientific American*, November 1995)
17. **Renewing the World's Fisheries –** (Carl Safina, *People and the Planet*, v7 n2 p10-13, 1998)
18. **Net Losses: Fishing Decimating Oceans 'Unlimited' Bounty –** (Anne Swardson, *Washington Post*, August 14, 1994)
19. **Overharvesting Devastate Fish Population Worldwide –** (Anne Swardson, *Washington Post*, August 14, 1994)
20. **Technology in the Capture Fisheries –** (David N. MacLennan, from *FAO Fisheries Department Kyoto Conference Outcome & Papers Presented*, http://www.fao.org/fi/agreem/kyoto/H6F.asp, 6/10/98)
21. **New Zealand v. the Toothfish Pirates –** (*The Economist*, February 13, 1999)
22. **Global Environmental Trends: Diminishing Returns: World Fisheries Under Pressure –** (*World Resources1998-99*, p195-196)
23. **FAO Fisheries Department Recent trends in Global Fishery Production –** (Richard Grainger, http://www.fao.org/WAICENT/FAOINFO/FISHERY/trends/catch/catch.asp, 6/7/99)
24. **FAO Fisheries Department Review of the State of World Fishery Resources: Marine Fisheries –** (Marine Resources Services, *FAO Fisheries Circular*, n920 FIRM/C920, http://www.fao.org/docrep/003/w4248e/w4248e00.htm, 6/9/99)
25. **World Review of Fisheries and Aquaculture –** (FAO., *The State of World Fisheries and Aquaculture* (SOFIA) 1996, http://www.fao.org/WAICENT/FAOINFO/FISHERY/publ/sofia/sofiae.asp, 5/26/99)
26. **Part 1: World Review of Fisheries and Aquaculture –** (FAO, *The State of World Fisheries and Aquaculture* (SOFIA) 1998, http://www.fao.org/docrep/w9900e/w9900e02.htm, 5/26/99)
27. **Part 5: Fisheries Activities of Country Groupings –** (FAO, *The State of World Fisheries and Aquaculture* (SOFIA) 1998, http://www.fao.org/docrep/w9900e/w9900e06.htm, 5/26/99)
28. **Plots of Regional Fishery Characteristics –** (FAO., *FAO Fisheries Department*, http://www.fao.org/WAICENT/FAOINFO/FISHERY/fifacts/PLOTS/, 6/8/99)

29. **Commercial Whaling –** (Seaweb: http://www.seaweb.org/background/book/whaling.html)
30. **Declining Survival Probability Threatens the North Atlantic Right Whale –** (Hal Caswell, Masami Fujiwara, and Solange Brault, *Proceedings of the National Academy of Science*, v96 pp3308-3313, March 1999.
31. **Troubled Waters –** (Deborah Cramer, *The Atlantic Monthly*, June 1995)
32. **Overfishing Disrupts Entire Ecosystem –** (Nigil Williams, *Science*, v279 n5352 p809)
33. **Fishing Down the Marine Food Web –** (Danial Pauly, Villy Christensen, Johanne Dalsgaard, Rainer Froese, Francisco Torres Jr., *Science*, v279 n5352 p860)
34. **Drastic Declines Weaken Chesapeake's Rich Fishery –** (D'Vera Cohn, *Washington Post*, August 14, 1994)
35. **The Bycatch Problem –** (National Audubon Society, *Indiscriminate Slaughter at Sea*, http://www.audubon.org/campaign/lo/ow/iss.html, 6/7/99)
36. **Bycatch Management and the Economics of Discarding –** (S. Pascoe, FAO Fisheries Department. *FAO Technical Paper No. 370*, Rome, 1997, http://www.fao.org/fi/publ/abstract/t370f.asp, 6/1/99)
37. **Fisheries topics –** (*Science* v282 n5388 p391, October 16, 1998)
38. **Shrimp Cocktail – Recipe for Disaster –** (National Resource Defense Council, *Oceans and Marine Life at NRDC*, http://www.nrdc.org/wildlife/fish/fshrimp.asp, 6/2/99)
39. **Oceans at Risk –** (Michael Weber, *Popular Science*, v246 n5 p85, May 1995)
40. **Extinction on the High Seas –** (David Malakoff, *Science*, v277 n5325 p486)
41. **Cleaning Up the Seas –** (Bruce McKay and Kieran Mulvaney, *People and the Planet*, v7 n2, 1998)
42. **Global Nitrogen Overload Problem Grows Critical –** (Anne Simon Moffat, *Science*, v279 n5353 p988)
43. **Oil in Water –** (Marguerite Holloway, (*Scientific American*, v280 n8 p38, March 1999)
44. **The Management of Fisheries and Marine Ecosystems –** (Louis W. Botsford, Juan Carlos Castilla, and Charles H. Peterson, *Science*, v277 n5325 p509)
45. **Farming Fish: the Aquaculture Boom –** (*Global Environmental Trends In World Resources 1998-99*, p158)
46. **Part V. Aquatic Resources –** (*25 Years of Improvement*, http://www.worldbank.org/html/cgiar/25years/aqua.html, 8/6/99)
47. **Marine Aquaculture –** (*Seaweb*, http://www.seaweb.org/background/book/aquaculture.html, 6/8/99)
48. **Review of World Aquaculture –** (FAO Fisheries Department, *FAO Fisheries Circular No. 886* FIRI/C886 (Rev.1) Rome, 1997, http://www.fao.org/docrep/003/w7499e/w7499e00.htm)
49. **Study Questions Aquaculture Benefits –** (Michael Kahn, *Journal of Commerce*, November 2, 1998)
50. **Nature's Subsidies to Shrimp and Salmon Farming –** (Rosamond L. Naylor, Rebecca J. Golburg, Harold Monney, Malcolm Beveridge, Jason Clay, Carl Folke, Nils Kautsky, Jane Lubchenco, Jurgenne Primavera, Merly Williams, *Science*, v282, October 30, 1998)
51. **Review of the State of World Fishery Resources: Inland Fisheries –** (Inland Water Resources and Aquaculture Services, *FAO Fisheries Circular No. 942*, Rome 1999), ftp://ftp.fao.org/fi/document/circular/all-16a.pdf, 6/8/99.
52. **Inland Fisheries are Under Increasing Threat from Environmental Degradation –** (*FAO*, March 24, 1999, http://www.fao.org/waicent/ois/press_ne/presseng/1999/pren9916.htm)

► Fisheries and Population

53. **Marine Fisheries, Population and Consumption: Science and Policy Issues –** (Lisa Speer, 1995, http://www.aaas.org/international/psd/fisheries/SPEER.htm)
54. **Catching the Limit: Population and Decline of Fisheries –** (Population Action International, 1995)
55. **Tropical Marine Fisheries and the Future of Coral Reefs: A Brief Review with Emphasis on Southeast Asia –** (J.W. McManus *Coral Reefs* v16S p121, 1997)
56. **Coasts in Crisis –** (Don Hinrichsen, *Issues in Science and Technology*, v12 p39, Summer 1996)
57. **Death by Suffocation in the Gulf of Mexico –** (David Malakoff, *Science*, v281 n5374 p190)
58. **Loaves and Fishes –** (*The Economist*, March 21, 1998)
59. **In India, a Battle for Survival –** (Molly Moore, *Washington Post*, August 14, 1994)
60. **American or Canadian? Whose Salmon Is it, Anyway? –** (Charles Trueheart, *Washington Post*, August 14, 1994)
61. **Salmon-counting Takes a High-Tech Turn –** (Steven Perarlstein, *Washington Post*, March 4, 1999)
62. **Estimating the value of in-season estimates of abundance of sockeye salmon (Oncorhynchus nerka) –** (Michael R. Link, Randall M. Peterman, *Canadian Journal of Fisheries and Aquatic Sciences*, June 1998)

63. **U.S. and Canada Agree on a Plan to Restrict Catches of Endangered Salmon –** (Sam Howe Verhovek, *New York Time*, June 4, 1999)
64. **US-Canada Salmon Deal Aims to Conserve Stocks –** (Edward Alden, *The Financial Times* (London), June 7, 1999)
65. **Assessing Excess Fishing Capacity at World-wide Level –** (FAO Fisheries Department, http://www.fao.org/fishery/NEWS/ASSESS/CAPAsF.htm, 6/1/99)
66. **Reversal of the Burden of Proof in Fisheries Management –** (Paul K. Dayton, *Science*, v279 n5352 p821)
67. **Net Loss: Fish, Jobs, and the Marine Environment –** (Peter Weber, *Worldwatch Paper 120*, July 1994)
68. **Rocking the Boat: Conserving Fisheries and Protecting Jobs –** (Anne Platt McGinn, *Worldwatch Paper 142*, July 1998)
69. **Just When You Thought it Was Safe –** (*The Economist*, November 16, 1996)
70. **Oceans and Law of the Sea – Convention Overview –** (Division for Ocean Affairs and the Law of the Sea, http://www.un.org/Depts/los/losconv1.htm, 6/7/99)
71. **Table Showing the Current Status of the United Nations Convention on the Law of the Sea and of the Agreement relating to the implementation of Part XI of the Convention –** (Division for Ocean Affairs and the Law of the Sea, http://www.un.org./Depts/los/los94st.htm, 6/7/99)
72. **On the High Seas: The Law of the Jungle –** (Jessica Mathews, *Washington Post*, April 6, 1995)
73. **No more Catch as Catch Can –** (*Washington Post*, August 7, 1995)
74. **A Modest Step to Save the Fish –** (*New York Times*, August 8, 1995)
75. **US still at Sea on Key Treaty –** (Sean Connaugton, *Journal of Commerce*, October 2, 1998)
76. **Governments Support New International Commitments to Reduce Overfishing and Overcapacity –** (*FAO*, March 11, 1999, http://www.fao.org/waicent/ois/press_ne/presseng/1999/pren9911.htm, 6/1/99)
77. **Lifting the Veil on Perverse Subsidies –** (Norman Myers, *Nature*, v392 p327, 1998)
78. **The Politics of Overfishing –** (Simon Fairlie, Mike Hagler, and Brian O'Riordan, *The Ecologist*, v25 p46, March/April, May/June 1995)
79. **Creating Incentives to Curb Overfishing –** (Rodney M. Fujita, D. Douglas Hopkins, and W.R. Zach Willey, *Forum for Applied Research and Public Policy*, v11 p29, Summer 1996)
80. **Victoria's Not-So-Secret Ruin –** (Mark Jerome Walters, *Audubon*, v96 n1 p14, January 1994)
81. **Galapagos. Too Many People –** (*The Economist*, May 10, 1997)
82. **Twilight of the Cod –** (Robert Kunzig, *Discover*, v16 p44, April 1995)
83. **Contribution to Food Fish Supplies in Review of the State of World Aquaculture –** (A.G.J. Tacon, *FAO Fisheries Circular*, No. 886. Rome, 1997, http://www.fao.org/docrep/003/w7499e/w7499e17.htm, 6/1/99)
84. **International Trade in Review of the State of World Aquaculture –** (A. Lem and Z.H. Shehadeh, *FAO Fisheries Circular* No. 886. Rome, 1997, http://www.fao.org/docrep/003/w7499e/w7499e04.htm, 6/1/99)
85. **Aquaculture in Farming Salmon: A Briefing Book –** (Michael L. Weber, *Seaweb*, http://www.seaweb.org/campaigns/sac/aquacul.html, 6/8/99)
86. **Foreword in Farming Salmon: A Briefing Book –** (Michael L. Weber, *Seaweb*, http://www.seaweb.org/campaigns/sac/aquacul.html, 6/8/99)
87. **Impacts of Salmon Farming in Farming Salmon: A Briefing Book –** (Michael L. Weber, *Seaweb*, http://www.seaweb.org/campaigns/sac/aquacul.html, 6/8/99)
88. **Shrimp Farming Going Swimmingly –** (*The Economist*, February 21, 1998)
89. **U.S. State Reports on Population and Environment: Fisheries Chapter –** (Victoria D. Markham et al., Center for Environment and Population (CEP), www.cepnet.org, 2002)

► Future Trends

90. **Part 4: Outlook: Expected Trends in Supply and Demand in The State of World Fisheries and Aquaculture 1998 –** (*FAO*, http://www.fao.org/docrep/w9900e/w9900e05.htm, 6/1/99)
91. **Part 2: Selected Issues Facing Fishers and Aquaculturists in The State of World Fisheries and Aquaculture 1998 –** (*FAO*, http://www.fao.org/docrep/w9900e/w9900e05.htm, 6/1/99)
92. **Water and Fisheries –** (World Resources Institute, WR96: *Marine Fishing Trends*, http://www.wri.org/wri/wr-96-97/wa_txt3.html, 6/2/99)
93. **Protecting Fishing Resources –** (RT:Resouces Fisheries, SD Dimensions, Posted June 3, 1996, http://www.fao.org/WAICENT/faoinfo/sustdev/Rtdirect/Rtre0008.htm, 6/8/99)

FISHERIES

94. **United Nations Must Strengthen Protection of Straddling and Highly Migratory Fish –** (Lisa Speer, *Fisheries*, v19 n12, December 1994)
95. **Recent International Agreements and the Precautionary Approach: New Direction for Fisheries Management Science –** (Laura J. Richards, Jean-Jacques Maguire, *Canadian Journal of fisheries and Aquatic Sciences*, v55 n6, June 1998)
96. **'No-Take' Zones Spark Fisheries Debate –** (Karen F. Schmidt, *Science* v277 n5325 489)
97. **Equivalence in Yield from Marine Reserves and Traditional Fisheries Management –** (Alan Hastings and Louis W. Botsford, *Science*, v284 n5419 p1537)
98. **FAO: Future of fish for Food Depends on Better Management of Oceans –** (*FAO*, May 19, 1998, http://www.fao.org/waicent/ois/press_ne/presseng/1998/pren9831.htm)
99. **The Deep Green Sea –** (*The Economist*, May 23, 1998)
100. **Principles & Criteria For Sustaining Fishing –** (Marine Stewardship Council, April 1, 1998, http:www.msc.org/cgi-bin/library/artic…2&area=1&id=891420599&html=template.html, 6/7/99)
101. **Principles and criteria for Sustaining Fishing: Airlie House Draft –** (Marine Stewardship Council, Issue 1, October 1998)
102. **Blue Revolution –** (Anne Platt McGinn, *World Watch*, v11 n2, March/April 1998)
103. **Issues and Challenges in Review of the State of World Aquaculture Issues –** (Z.H. Shehadeh, M. Pedini, http://www.fao.org/docrep/003/w7499e/w7499e24.htm, 6/1/99)-
104. **Environment and Sustainability in Review of the State of World Aquaculture Issues –** (U. Barg and M.J. Phillips, http://www.fao.org/docrep/003/w7499e/w7499e14.htm. 6/1/99)
105. **Sustainable Aquaculture in Agriculture Technology Notes – (Rural Development Department –** (*The World Bank*, December 1998, http://wbln0018.worldbank.org/essd/)
106. **The Future in Farming Salmon: A Briefing Book –** (Michael L. Weber, http://www.seaweb.org/campaigns/sac/future.html)
107. **GESAMP: Integration of Aquaculture into Coastal Management –** (FAO Fisheries Department, http://www.fao.org/waicent/faoinfo/fishery/meetings/gesamp/wg31cm.asp, 6/1/99)
108. **A Precautionary Approach for the Introduction of New Species in Aquaculture –** (FAO Fisheries Department, http://www.fao.org/fi/news/precaut/sard.asp)
109. **Eco-Farming in Fiji –** (Hal Kane, *World Watch*, v10 p28, July/August 1997)

FORESTS

► Introduction

1. **Forest Resources Assessment 1990 - Global Synthesis –** (*UN-FAO*)
2. **State of the Worlds Forests 1997: Executive Summary and full document –** *(UN-FAO)*
3. **Forest and Tree Resources –** (Jean-Paul Lanly, *UN-FAO*)
4. **The Distribution and Variety of Equatorial Rain Forest –** (Jonathan Adams, *Oak Ridge National Laboratory*)
5. **The Worlds Monsoon and Dry Forests –** (Jonathan Adams, *Oak Ridge National Laboratory*)
6. **The Grinding of the Ax: Deforestation –** (*The Third Revolution*, Paul Harrison)
7. **Forests as Human Dominated Ecosystems –** (Ian R. Noble et al., *Science*, v277 n5325 p522)
8. **Resources at Risk –** (WRI, *World Resources 1998-99*)
9. **Forests and Rangelands –** (WRI, *World Resources 1994-95*)
10. **Forests and Human Health –** (Issue Brief, *USDA Forest Service*, International Programs)
11. **Seeing the Forest Among the Trees: Forests and Forestry –** (Silvafor Journal, *FAO*)
12. **Putting a Price Tag on Natures Bounty –** (Wade Roush, *Science*, v276 n5315 p1029)
13. **Study Finds 10% of Tree Species Under Threat –** (Nigel Williams, *Science*, v281 n5382 p1426)
14. **Biomass Collapse in Amazonian Forest Fragments –** (William F. Laurance et al., *Science*, v278 n5340 p1117)
15. **Deforestation: An Overview of Global Programs and Agreements –** (Julie Lyke et al., *Congressional Research Service*, October 21, 1992)
16. **Europe During the Last 150,000 Years; Eurasia During the Last 150,000 Years, etc. –** (Jonathan Adams, *Oak Ridge National Laboratory*)

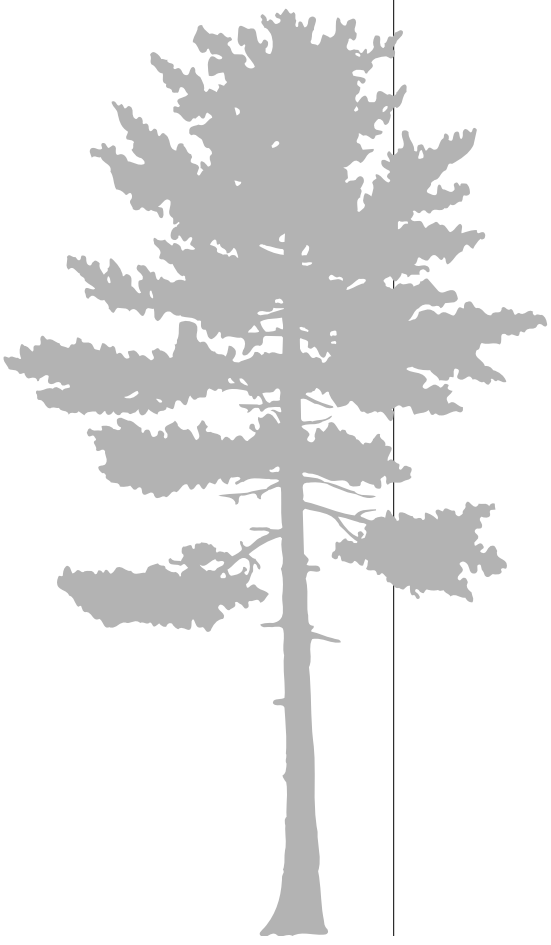
► Forests and Population

17. **Protected Area Deforestation in South Sumatra, Indonesia –** (Steven R. Brechin et al., *Population-Environment Dynamics*, Gayl Ness)
18. **The Forest Sector: Important Innovations –** (Roger Sedjo, *Resources for the Future*, Discussion Paper 97-42)
19. **Sustaining the Worlds Forests –** (*State of the World 1998*, Worldwatch Institute)
20. **Forest Decline Continues and Tree Plantations Taking Root –** (*Vital Signs 1998*, Worldwatch Institute)
21. **Forest Decline Continues and Ecosystem Conversion Spreads –** (*Vital Signs 1997*, Worldwatch Institute)
22. **UNHCR: an overview, the environment –** (UNHCR Issues Briefing)
23. **Statement by the UNHCR at the UN Conference on Environment and Development –** (UNHCR 1992)
24. **Prominent biologists have thrown... –** (Jim Randkle, *Science*, v280 n5364 p663)
25. **Environmental groups are massing... –** (David Moore, *Science*, v280 n5362 p367)
26. **The Brazilian legislature is... –** (Claus C. Meyer, *Science*, v278 n5344 p1699)
27. **Reproductive Dominance of Pasture Trees in a Fragmented Tropical Forest Mosaic –** (Preston R. Aldrich, *Science*, v281 n5373 p103-105)
28. **Return of the Forest –** (Virginia Morell, *Science*, v278 n5346 p2059)
29. **Long-Term Effects of Acid Rain –** (G.E. Likens et al., *Science*, v272 n5259 p244)
30. **Conservation Targets in South American Temperate Forests –** (J.J. Armest et al., *Science*, v282 n5392 p1271)
31. **Towards a Sustainable Paper Cycle: Executive Summary –** (*International Institute for Environment and Development*)
32. **Rain Forest Fragments Fare Poorly –** (Nigel Williams, *Science*, v278 n5340 p1016)
33. **Temperate Forests Gain Ground –** (Anne Simon Moffat, *Science*, v282, n5392, p1253)
34. **Global Forest Fire Watch: Wildfire Potential, Detection, Monitoring, and Assessment –** (A. Singh et al., *UNEP*)
35. **Third World Debt and Tropical Deforestation –** (*Oak Ridge National Laboratory*)
36. **Environmental Effects of Whole Tree Timber Harvesting –** (*Oak Ridge National Laboratory*)
37. **Causes and Consequences of Deforestation in the Brazilian Amazon –** (*Oak Ridge National Laboratory*)
38. **Accommodating Conflicting Interest in Forestry - Concepts Emerging From Pluralism –** (*FAO*)
39. **Technologies for Sustainable Forest Management: Challenges for the 21st Century –** (J.A. Sayer et al., *CIFOR*)
40. **Deforestation of Tropical Rain Forests –** (Basic Science and Remote Sensing Initiative, *Michigan State University*)

41. **Deforestation and Development in Amazonia –** (Center for Earth and Planetary Studies, *Smithsonian Institution*)
42. **U.S. State Reports on Population and the Environment: Forests Chapter –** (Victoria D. Markham et al., Center for Environment and Population (CEP), www.cepnet.org, 2002)

► Future Trends

43. **Saving the Forests: What Will It Take? –** (Allan Durning, *WorldWatch Paper 117*)
44. **Taking a Stand –** (Janet Abramovitz, *WorldWatch Paper 140*)
45. **Reforesting the Earth –** (Sandra Postel et al, *WorldWatch Paper 83*)
46. **Air Pollution, Acid Rain, and the Future of the Forests –** (Sandra Postel, *WorldWatch Paper 58*)
47. **Forest Journey : The Role of Wood in the Development of Civilization –** (John Perlin, *Harvard University Press*)



FRESHWATER

► Introduction

1. **Water: Critical Shortages Ahead? –** (*World Resources 1998-99*, p188-193, 1999)
2. **An Introduction to Global Freshwater Issues –** (Peter H. Gleick, *Water in Crisis*, Chapter 1, p3-12, 1993)
3. **Water & Fisheries –** (World Resources 1996-97, *WRI*, http://www.wri.org/wri/wr-96-97/wa_txt1.html)
4. **World Freshwater Resources –** (Igor A. Shiklomanov in Peter H. Gleick, *Water in Crisis*, p14-24, 1993)
5. **Freshwater Resources and Withdrawals, 1970-98, Data Table –** (*World Resources 1998-99*, p304-312, 1998)
6. **Water Resources: Agriculture, the Environment, and Society –** (David Pimentel et al., *BioScience*, v47 p97-106, Feb. 1997)
7. **State of the World's Water and Implications for the Western United States –** (Peter H. Gleick, http://www.globalchange.org/impactal/96nov1d.htm, 1996)
8. **Groundwater: the invisible resource –** (*World Meteorological Organization* (WMO), http://www.unicef.org/wwd98/papers/wmo.htm)
9. **Emerging Water Shortages –** (*Worldwatch Institute*, http://www.worldwatch.org/alerts/990717.html, Jul. 17, 1999)
10. **A Rare and Precious Resource –** (Houria Tazi Sadeq & Maghreb-Machrek, *UNESCO Couier*, http://www.unesco.org/courier/1999_02/uk/dossier/txt11.htm)
11. **Dividing the Waters: Food Security, Ecosystem Health, and the New Politics of Scarcity –** (Sandra Postel, *Worldwatch Paper 132*, p5-64, Sept. 1996)
12. **The World's Water –** (Peter Gleick, *Issues in Science and Technology*, Summer 1998)
13. **Lakes and rivers –** (V. H. Heywood (Ed), *Global Biodiversity Assessment*, p399, 1995)
14. **UN Assessment of Freshwater Resources –** (*Earth Summit +5*, http://www.un.org/ecosocdev/geninfo/sustdev/waterrep.htm, Jun., 1997)
15. **Comprehensive assessment of the freshwater resources of the world –** (*Commission on Sustainable Development*, http://www.wmo.ch/web/homs/cfwadesc.html, 1997)
16. **GEO-1 - Water Various Chapters –** (http://www.unep.org/unep/eia/geo1)
17. **General Summary: The Former Soviet Union –** (*Aquastat*, http://www.fao.org/waicent/FaoInfo/Agricult/)
18. **General Summary: Near East –** (*Aquastat*, http://www.fao.org/waicent/FaoInfo/Agricult/)
19. **General Summary: Asia –** (*Aquastat*, http://www.fao.org/waicent/FaoInfo/Agricult/)
20. **General Summary: Africa –** (*Aquastat*, http://www.fao.org/waicent/FaoInfo/Agricult/)
21. **Effects of Biodiversity on Water Distribution and Quality in Ecoystems –** (V.H. Heywood (Ed), *Global Biodiversity Assessment*, p412, 1995)
22. **Water and ecosystems –** (Alan P. Covich in Peter H. Gleick, *Water in Crisis*, Chapter 4, p40-55)
23. **What is Ground Water? –** (D.W. Clarke & D.W. Briar, http://water.usgs.gov/public/pubs/FS/OFR93-643, 1993)
24. **Groundwater recharge: an overview of estimation "problems" and recent developments –** (I. Simmers in N.S. Robins(Ed), *Groundwater Pollution, Aquifer Recharge and Vulnerability*, p107-115, 1998)
25. **Nutrient Retention in Riparian Ecotenes –** (Lena B.-M.Vought et al., *Ambio*, v23 n6 p342, Sept. 1994)
26. **Effects of Increased Solar Ultraviolet Radiation on Aquatic Ecosystems –** (Donat P. Hader et al., *Ambio*, v24 n3 p174, May 1995)
27. **Earth's Rivers –** (Sandra Postel, *USA Today* 124 p74-6, Nov. 1995)
28. **Stream Biodiversity: The Ghost of Land Use Past –** (J. S. Harding et al., *Proceedings of the National Academy of Sciences*, v95 n25 p14843-47, Dec. 8, 1998)
29. **Types of Instream Values –** (*The World Bank*, http://wbln0018.worldbank.org/)
30. **Interactions Between Eutrophication and Contaminants: Towards a New Research Concept for the European Aquatic Environment –** (*Ambio*, v24 n6 p383-385, Sept. 1995)
31. **Water Use Inside the Home –** (*Waterwiser*, 1999)
32. **Offstream Use –** (*USGS*, http://ga.water.usgs.gov/wustates/tn/factoffstream.html, 1995)
33. **The Influence of Forest Vegetation on Water and Soil –** (H.G. Wilm, *Unasylva*, v11 n4, http://www.fao.org/docrep/x5385e/x5385e03.htm)
34. **Intergovernmental Panel on Climate Change: Working Group II Second Assessment Report: Water Resources Management Group –** (Peter H. Gleick, http://www.globalchange.org/impactal/96nov2d.htm, 1996)
35. **Climate Change and US Water Management –** (Peter Gleick, http://www.globalchange.org/adaptal/98dec12.htm, 1998)

36. **Lake Victoria: A Case in International Cooperation –** (Wulf Klohn, Mihailo Andjelic, http://www.fao.org/ag/AGL/AGLW/webpub/lakevic/LAKEVIC4.htm)
37. **A Transportation Model Assessment of the Risk to Native Mussel Communities from Zebra Mussel Spread –** (Daniel W. Schneider et al., *Conservation Biology*, v12 n4 p788-800, Aug. 1998)
38. **Mussel Mass –** (Ellen Perlman, *Governing*, v10 p39, Aug. 1997)

► Freshwater and Population

39. **Human Domination of Earth's Ecosystems –** (Peter M. Vitousek et al., *Science*, v277 n5325 p494)
40. **Why Population Growth Matters to Freshwater Availability –** (http://populationaction.org/why_pop/waterfs.htm)
41. **Sustaining Water, Easing Scarcity –** (Tom Gardner-Outlaw, Robert Engelman, *Population Action International*, 1997)
42. **Sustaining Water: Population and the Future of Renewable Water Supplies –** (Robert Engelman & Pamela LeRoy, *Population Action International*, 1993)
43. **Human Appropriation of Renewable Fresh Water –** (Sandra L. Postel et al., *Science*, v271 n5250 p785)
44. **Solution for a Water-Short World –** (*Population Reports*, v26 n1, Sept. 1998)
45. **Dividing the waters –** (Sandra Postel, *Technology Review*, Apr. 1997)
46. **Human Population and Water: To the Limits in the 21 Century –** (Peter H. Gleick, Sept. 1995)
47. **Percentages of population with access to safe water 1990-1994 –** (http://www.undp.org/popin/wdtrends/bss/bssmapsw.htm)
48. **Fact Sheet Population & Water –** (*National Wildlife Federation*, Sept 1997)
49. **Population as a Scale Factor: Impacts on Environment and Development –** (Robert Engelman in Barbara Sundberg & William R. Moomaw, *People and Their Planet*, 1999)
50. **Nonpoint Pollution of Surface Waters with Phosphorus and Nitrogen –** (Stephen Carpenter et al., *Issue in Ecology*, n3, http://esa.sdsc.edu/carpenter.htm, Summer 1998)
51. **Human Population and Freshwater Resources: U.S. Cases and International Perspectives –** Krchnak, Karin M.(ed), Victoria D. Markham and Nancy Thorne (co-eds), Yale School of Forestry and Environmental Studies *Bulletin Series, Number 107*, www.yale.edu/environment/publications, 2001)
52. **Water dynamics and population pressure in the Nepalese Himalayas –** (P. B. Shah, *GeoJournal*, v40 n1-2 p45-51, 1996)
53. **Human population growth and over-utilization of the biotic resources of the Murray-Darling River system, Australia –** (Russell J. Shiel, *GeoJournal*, v40 n1-2 p101-113, 1996)
54. **The Role of Phosphorus in the Eutrophication of Receiving Waters: A Review –** (David L. Correll, *Journal of Environmental Quality*, v27 p261-266, 1998)
55. **Wetlands and Lakes as Nitrogen Traps –** (Mats Jansson et al., *Ambio*, v23 n6 p320-323, Sept. 1994)
56. **Water Resources and Climate Change –** (Kenneth Frederick, http://www.rff.org/issue_briefs/PDF_files/ccbrf3.pdf, Jun. 1997)
57. **Mountain Lakes; Sensitivity to Acid Deposition and Global Climate Change –** (Brit Lisa Skjelkvale & Richard F. Wright, *Ambio*, v27 n4 p280-287, Jun. 1998)
58. **Rapid Ecological Changes in a Large Subtropical Lake Undergoing Cultural Eutrophication –** (Karl E. Havens et al., *Ambio*, v25 n3 p150-155, May 1996)
59. **Arsenic and Drinking Water Contamination –** (Tom W. Gebel, *Science*, v283 n5407 p1455e)
60. **The Bangladesh Arsenic Mitigation Water Supply Project –** (*World Bank/UNDP Water and Sanitation Program*)
61. **No Single Management Strategy for Nitrogen Reduction –** (*Water Environment & Technology*, v6 n7 p27-29, July 1994)
62. **Switzerland: Swiss agri-environmental policy and water quality –** (Stephan Pfefferli & Albert Zimmermann, *OCED Workshop on the Sustainable Management of Water in Agriculture: Issues and Policies*, p183, http://www.oecd.org/agr/publications/index1.htm, 1998)
63. **Downstream Ecological Effects of Dams –** (Franklin K. Ligon et al., *BioScience*, v45 p183-92, Mar.1995)
64. **China. The dammed –** (*The Economist*, Nov. 1, 1997)
65. **Damming the Senegal River –** (*World Resources 1998-99*, p108-114, 1998)
66. **Science and Values in River Restoration in the Grand Canyon –** (John C. Schmidt et al., *BioScience*, v48 n9 p735-47, Sept. 1998)

67. **Water quality and health –** (Linda Nash in Peter H. Gleick (Ed), *Water in Crisis*, 1993)
68. **Urbanization and Waterborne Disease –** (Timothy E. Ford (speaker), *Water Population & Health*, Jun. 1999)
69. **Microbiological Safety of Drinking Water: United States and Global Perspectives –** (Timothy Ford, *Environmental Health Perspectives*, v107 p191-206, Supplement 1, Feb. 1999)
70. **Water Scarcity as a Key Factor Behind Global Food Insecurity: Round Table Discussion –** (Mark Falkenmark et al., *Ambio*, v27 n2 p148-154, Mar. 1998)
71. **Water for Food Production: Will there Be enough in 2025? –** (Sandra L. Postel, *BioScience*, v48 n8 p629-35, Aug. 1998)
72. **Challenges in the Field of Water Resources Management in Agriculture –** (Wulf E. Klohn, Bo G. Appelgren, http://www.fao.org/ag/AGL/AGL/webpub/ath_kln/ath_kln1.htm)
73. **Water and Sustainable Development International Conference –** (Wulf Klohn & Hans W. Wolter, http://www.fao.org/ag/ag1w/webpub/paris1.htm, Mar. 1998)
74. **Small-scale irrigation for arid zones, Principles and Options –** (*FAO*, http://www.fao.org/docrep/W3094E/W3094E00.htm, 1997)
75. **Irrigating with Treated Effluent –** (Herman Bouwer et al., *Water Environment & Technology*, v10 n9, Sept. 1998)
76. **Water and Population Dynamics: Case Studies and Policy Implications –** Alex de Sherbinin and Victoria D. Markham (eds), 1998)
77. **Annex 1: Water-use efficiency on irrigation systems: a review of research carried out under DFID's engineering research programme –** (Donald Brown, *Agricultural Water Management*, v40 p139-147, 1999)
78. **Priorities for irrigated agriculture –** (A.W. Hall, *Agricultural Water Management*, v40 p25-29, 1999)
79. **Opportunities and Constraints to Improving Irrigation Water Management: Foci for Research –** (M.A. Burton et al., *Agricultural Water Management*, v40 p37-44, 1999)
80. **Sustaining rice-wheat system productivity in the Indo-Gangetic plains: water management-related issues –** (I.P. Abrol, *Agricultural Water Management*, v40 p31-35, 1999)
81. **China's Water Shortage Could Shake World Food Security –** (Lester R. Brown & Brian Halweil, *World Watch Magazine*, Jul./ Aug. 1998)
82. **Environmental Sustainability of Egyptian Agriculture: Problems and Perspective –** (Asit K. Biswas, *Ambio*, v24 n1 p16-21, Feb. 1995)
83. **United States: U.S. water management for agriculture - a case study of the American West –** (U.S. Dept. of Agric. (USDA), *OECD Workshop on the Sustainable of Management of Water in Agricultural Issues & Policies*, p205, http://www.oecd.org/agr/publications/index1.htm, 1998)
84. **The Flow of International Water Law: The International Law Commission's Law of the Non-Navigational Uses of International Watercourses –** (David J. Lazerwitz, *Global Legal Studies Journal*, http://www.law.indiana.edu/glsj/vol1/lazer.html)
85. **International Water Law: Regulations for Cooperation and the Discussion of the International Water Convention –** (Jorg Barandat & Aytul Kaplan in Waltina Scheumann & Manuel Schiffler (Eds) *Water in the Middle East*, p12-30, 1998)
86. **Western Water Resource Issues –** (Betsy A. Cody, http://cnie.org/nle/h2o-31.html, Apr. 30, 1999)
87. **Western Water Resource Issues II –** (Betsy A. Cody, http://www.cnie.org/nle/h2o-31a.html Apr. 30, 1999)
88. **States Slowly Move Ahead with Water Pollutant Trading Programs –** (Janet Pelley, *Environmental Science & Technology*, p446a, Oct. 1998)
89. **Toward Sustainable Management of Water Resources –** (Ismail Serageldin, *The World Bank*, 1995)
90. **Productive Efficiency and Allocative Efficiency: Why Better Water Management May Not Solve the Problem –** (Tony Allan, *Agricultural Water Management*, v40 p71-75, 1999)
91. **Water Crisis in Developing World: Misconceptions About Solutions –** (Harold D. Frederiksen, *Journal of Water Resources Planning and Management*, p79-87, Mar./ Apr. 1996)
92. **Escaping from Ongoing Land/Water Mismanagement –** (*Ambio*, v25 n3 p211-213, May 1996)
93. **Strategically Managing the World's Water –** (*Water Resources Management*, http://www-esd.worldbank.org/html/esd/env/envmat/vol2f96/strateg.htm)
94. **A Snapshot of Conservation Management: 1998 Survey of State Water Conservation Programs: Executive Summary –** (Joseph A. Miri, http://www.waterwiser.org/frameset2.cfm?b=6)
95. **Strategic approaches to freshwater management: background paper - the ecosystem approach –** (http://iucn.org/themes/ramsar/key, 1999)

96. **Strategic Approaches to Freshwater Management: Recommendations for Action –** (http://iucn.org/themes/ramsar/key)
97. **The Management Challenge –** (*USDESA*, http://www.unicef.org/wwd98/papers/undesa.htm, 1998)
98. **Sustainability Criteria for Water Resources Systems –** (Task Committee on Sustainability Criteria, *Water Resources Planning and Management Division*, Working Group, UNESCO/IHP Project M-4.3, Sustainability Criteria for Water Resource Systems, p18-36, 1998)
99. **Groundwater Clean-up Options –** (Diane S. Roote et al., *Chemical Engineering*, May 1997)
100. **Contain Contaminated Groundwater –** (Robert D. Mutch, Jr. et al., *Chemical Engineering*, May 1997)
101. **Restoration of Lake Erie: Contribution of Water Quality and Natural Resource management –** (Joseph F. Koonce et al., *Canadian Journal of Fisheries & Aquatic Science*, v53 n1 p105-112, 1996)
102. **Just When You Thought it was Safe –** (*The Economist*, Nov. 16, 1996)
103. **Water and Conflict –** (Peter Gleick, *Water Supply and Sanitation Collaborative Council*, http://www.wsscc.org/vision21/docs/doc15.html)
104. **Water and Human Security –** (Aaron T. Wolf, *AVISO*, v3, June 1999)
105. **Conflicts over the Nile or Conflicts on the Nile? –** (Manuel Schiffler in Waltina Scheumann & Manuel Schiffler (Eds), *Water in the Middle East*, 1998)
106. **Economic Instruments for Improving Water Use Efficiency: Theory and Practice –** (R. J. Grimble, *Agricultural Water Management*, v40 p77-82, 1999)
107. **Water as an Economic Good –** (Desmond McNeill, *Water Supply and Sanitation Collaborative Council*, http://www.wsscc.org./vision21/docs/doc28.html)
108. **Water as an Economic Good: A Solution, or a Problem? –** (C.J. Perry et al., *Research Report 14*, 1997)
109. **Water Allocation Mechanism-Principles and Examples –** (Ariel Dinar et al., http://wbln0018.worldbank.org/)
110. **Economic Instruments for Sustainable Resource Management: The Case of Botswana's Water Resources –** (Jaap Arntzen, *Ambio*, v24 n6 p335, Sept. 1995)
111. **Closing a Water Resource: Some Policy Considerations –** (Brian and Lynne Chatterton, MEWREW SOAS Occasional Paper not to be quoted without the authors' permissions, Oct. 1995)
112. **'Virtual Water': A Long Term Solution for Water Short Middle Eastern Economies? –** (Tony Allan et al., 1997)
113. **Resolving Water Shortages via Tradable Water Rights –** (http://wbln0018.worldbank.org/)
114. **Tradable Property Rights to Water –** (Mateen Thobani, *Private Sector*, http://www.worldbank.org/html/fpd/notes/water.htm, Feb. 1995)
115. **Private Sector Participation in the Water Sector –** (Nick Johnston & Libby Wood, *Water Supply and Sanitation Collaborative Council*, http://www.wsscc.org/vision21/docs/doc21.html)
116. **Getting the Private Sector Involved in Water-What to Do in the Poorest of Countries? –** (Penelope J. Brook Cowen, *Private Sector*, http://www.worldbank.org/html/fpd/notes/water.htm, Jan. 1997)
117. **Financing Water and Sanitation Projects-The Unique Risks –** (David Haarmeyer & Ashoka Mody, *Private Sector*, http://www.worldbank.org/html/fpd/notes/water.htm, Sept. 1998)
118. **Who pays the piper? Who calls the tune? –** (*UNESCO Courier*, http://www.unesco.org/courier/1999_02/uk/dossier/txt21.htm)
119. **People & the Planet –** (v5 n3, Nov. 1996)
120. **When the Yellow River runs dry –** (*South China Morning Post*, June 20, 1998)
121. **A Social Force called Water –** (*Down to Earth*, v7 n10, http://www.oneworld.org/, Oct. 15, 1998)
122. **U.S. State Reports on Population and Environment: Freshwater Chapter –** (Victoria D. Markham et al., Center for Environment and Population (CEP), www.cepnet.org, 2002)
123. **Perpetual Thirst –** (*Down to Earth*, v7 n10, http://www.oneworld.org/, Feb. 28, 1999)
124. **Capital's Downfall Caused by Drinking...of Water –** (Sam Dillon, *New York Times*, Jan. 29, 1998)
125. **Mexico Policy Options for Managing Aquifer Over-Exploitation –** (http://wbln0018.worldbank.org)
126. **Population, Water and Wildlife: Finding a Balance –** (National Wildlife Federation, www.nwf.org/population, 2002)

► Future Trends

127. Water in the 21st century – (Peter Gleick in Peter Gleick (Ed), *Water in Crisis*, Chapter 9, p105-113, 1993)

128. California Water 2020 A Sustainable Vision: Executive Summary – (Peter Gleick et al. 1995)

129. How Do We Get There: Technologies and Practices for Sustainable Water – (Peter Gleick et al., *California Water 2020 A Sustainable Vision*, p77-97, 1995)

130. Conclusions and Recommendations – (Peter Gleick et al., *California Water 2020 A Sustainable Vision*, p99-104, 1995)

131. Agriculture – (Peter Gleick et al., *California Water 2020: A Sustainable Vision*, p6 1995)

132. Urban Home and Garden – (Peter Gleick, p10, 1995)

133. Environmental Sanitation from an Eco-Systems Approach – (Steven Esrey & Ingvar Anderson, *Water Supply and Sanitation Collaborative Council*, http://www.wsscc.org/activities/vision21/docs/doc39.html)

134. Household Water Savings Could Reduce Future Water Infrastructure Costs by Billions – (*Water Environment & Technology*, v10 n9, Sept. 1998)

135. Integrated Wastewater Management – (*The World Bank*, p129-135, http://wbln0018.worldbank.org/essd/essd.nsf/GlobalView/PPAH/$File/19_iwm.pdf)

136. Optimizing Wastewater Treatment – (*The World Bank*, p137-143, http://wbln0018.worldbank.org/essd/essd.nsf/GlobalView/PPAH/$File/20_owt.pdf)

137. Satisfying an Age-Old Thirst – (Claudia H. Deutsch, *New York Times*, May 16, 1999)

138. Man-Made River Brings Freshwater to Coast – (Douglas Jehl, *New York Times*, Nov. 1, 1998)

139. Frequently Asked Questions – (*Water Use Association of California*, http://www.watereuse.org/Pages/faq.html)

140. Water Scarcity in the Twenty-First Century – (David Seckler et al., *IWMI Water Brief 1*, http://www.cgiar.org/iwmi/pubs/WBrief/Wbrief1.pdf, March 1999)

141. World Water Demand and Supply, 1990 to 2025: Scenarios and Issues – (David Seckler et al., http://wbln0018.worldbank.org/)

142. Netherlands: Sustainable Drinking Water Supply and Dairy Production – (*OCED Workshop on the Sustainable Management of Water in Agriculture: Issues and Policies*, http://www.oecd.org/agr/publications/index1.htm, 1998)

MOUNTAINS

► Introduction

1. **Mountains: globally important ecosystems –** (Martin F. Price, *Unasylva 195*, v49 n195 p3, http://www.fao.org/docrep/w9300e/w9300e03.htm, 1998)
2. **Mountains, biodiversity and conservation –** (A. Chaverri-Polini, *Unasylva 195*, v49, n195 p47, 1998)
3. **Animals Thrive in an Avalanche's Wake –** (Kevin Krajick, *Science*, v279 n5358 p1853)
4. **Intellectual, Biological, and Cultural Property Rights in the HKH –** (ICIMOD, *Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/imd982.htm)
5. **UNESCO's Man and the Biosphere Programme in mountain areas –** (Thomas Schaaf, *Unasylva 196*, v50 n196 p31-34, 1999)
6. **Chapter 13: Sustainable mountain development –** (Agenda 21, *Progress Report FOA*, http://www.fao.org/sd/epdirect/Epre0032.htm, June 1997
7. **Managing mountains parks: special challenges –** (Lawrence S. Hamilton, *Unasylva 196*, v50 n196 p20-23, 1999)
8. **Market and Small Towns in the Hindu Kush - Himalayas Alternative Modes of Urbanization –** (ICIMOD, *Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/imd98-8.htm)
9. **Development of Mini- and Micro- hydropower: Issues and Constraints –** (ICIMOD, *Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/issue972.htm)
10. **Management of Water for the Prevention of Environmental Hazards –** (ICIMOD, *Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/issu6.htm)
11. **Integrated Planning for Environment and Economic Development in Mountain Areas: Concepts, *Issues and Approaches*** *- (ICIMOD, Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/issue1.html)
12. **Lessons learned from an interregional experience in participatory upland development –** (L. Fe'd Ostiani, *Unasylva, 196*, v50 n196 p9-11, http://www.fao.org/docrep/x0963e/x0963e04.htm, 1999)
13. **Participation in upland development and conservation –** (J. Escobedo Urquizo, *Unasylva, 196*, v50 n196 p3-8, http://www.fao.org/docrep/x0963e/x0963e03.htm, 1999)
14. **The Andringitra National Park in Madagascar –** (H. Rabetaliana et al, *Unasylva 196*, v50 n196 p25-30, http://www.fao.org/docrep/x0963e/x0963e07.htm, 1999)
15. **Planning and Management of Mountain Watershed in the Tropics –** (S. K. Datta et al, in *XI World Forestry Congress*, v2, Oct. 13-22, 1997, http://www.fao.org/forestry/foda/wforcong/publi/v2/t9e/1-3.htm)
16. **Mountain Forests and Sustainable Mountain Development –** (Gottle, El-Hadji and M. Sene, in *XI World Forestry Congress*, v2, http://www.fao.org/forestry/foda/wforcong/publi/v2/t00e/1-5.htm, Oct. 13-22, 1997)
17. **French forest communes and sustainable development in mountain areas –** (P. C. Zingari, *Unasylva 195*, v49 n195 p55-57, 1998)
18. **Mountain research and development: past, present and the future –** (J. D. Ives, *Unasylva 195*, v49 n195 p58-61, 1998)
19. **Sustainable Mountain Agricultural Development Programme –** (*LESOTHO*, http://www.fao.org/Gender/static/tci/lesotho.htm, 1997)
20. **Landscape and climate change in the central Canadian rockies during the 20th century –** (Brian H. Luckman, *The Canadian Geographer 42*, n4 p319-336, Winter, 1998)
21. **Mountains and freshwater supply –** (H. Liniger and R. Weingartner, *Unasylva 195*, v49 n195 p39-46, 1998)
22. **The economics of mountain resource flows –** (Jane. Pratt and Lynelle Preston, *Unasylva 195*, v49 n195 p31-38, 1998)
23. **Highland - Lowland Economic Linkages –** (ICIMOD, *Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/issu8.htm)
24. **Livestock Development in Mixed Crop Farming Systems –** (ICIMOD, *Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/imd98-5.htm)
25. **Sustainable Mountain Agriculture in the Hindu Kush-Himalayas: Strengthening Education and Research Capacities –** (ICIMOD, *Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/issue3.html)
26. **Trends and Prospects of Sustainable Mountain Agriculture in the Hindu Kush-Himalayan Region –** (ICIMOD, *Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/imd99-2.htm)
27. **Bioterracing & Soil Conservation –** (ICIMOD, *Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/imd98-7.htm)

► Mountain Ecosystems and Population

28. **Peak Season –** (Richard Woodbury, Time, n2 p50-51, 1999)
29. **Women, children and well-being in the mountains of the Hindu Kush Himalayan region –** (J. D. Gurung, *Unasylva 196*, v50 n196 p12, http://www.fao.org/wacient/faoinfo/unasylva/196/, 1999)
30. **People and mountains –** (Derek Denniston, *Overview: People and the Planet*, http://www.oneworld.org/patp/vol5/overview.html)
31. **Taming the tourists –** (Mark Price, *People and the Planet*, http://www.oneworld.org/patp/vol5/feature1.html)
32. **Environment, Culture, Economy and Tourism: Dilemmas in Hindu Kush-Himalayas –** (ICIMOD, *Issues in Mountain Development*, http://www.icimod.org.sg/publications/imd/imd983.htm)

OCEANS

► Introduction

1. **Open oceans –** (V.H. Heywood (ed), Global Biodiversity Assessment, p309, 1995)
2. **Oceans and Ocean Life Factoids –** (http://www.conveyor.com/ovi/factoids.html)
3. **Overview –** (GESAMP, *The State of the Marine Environment*, Chapter 6, p115, 1990)
4. **The Oceans –** (*Scientific American*, v276, Mar.1997)
5. **A Sea of Troubles –** (Kieran Mulvaney, *E Magazine*, Jan./Feb. 1998)
6. **Danger at Sea: Our Changing Ocean –** (*Seaweb*, http://www.seaweb.org/campaigns/danger/trouble.html)
7. **Marine Mammal Mass Mortality Events –** (*Seaweb*, http://www.seaweb.org/background/book/mortal.html)
8. **Marine Ecosystem –** (*Encyclopedia Britannica Online*)
9. **Chemistry and Biology of the Oceans –** (Uppenbrink et al., *Science*, v281 n5374 p189)
10. **Biogeochemical Controls and Feedbacks on Ocean Primary Production –** (Paul G. Falkowski et al., *Science*, v281 n5374 p200)
11. **Variability of inorganic and organic phosphorous turnover rates in the coastal ocean –** (Claudia R. Benitez et al., *Nature*, v398, p502-505, 8 April 1999)
12. **Ironing out what controls primary production in the nutrient rich waters of the open ocean –** (Paul G. Falkowski, *Global Change Biology*, v1 p161-163, 1995)
13. **Primary Production of the Biosphere: Integrating Terrestrial and Oceanic Components –** (Christopher B. Field et al., *Science*, v281 n5374 p237)
14. **The CO2 Balance of Unproductive Aquatic Ecosystems –** (Carlos M. Duarte et al., *Science*, v281 n5374 p234)
15. **An estimate of global ocean circulation and heat fluxes –** (Alison M. Macdonald & Susan Agusti, *Nature*, v382 n6590 p436-439, Aug. 1, 1996)
16. **Life in the Ocean –** (James W. Nybakken et al., *Scientific American*, v276 p74, Mar.1997)
17. **Estimating Biodiversity –** (Andrew R. Solow, *Oceanus*, Fall/Winter 1995)
18. **Understanding Marine Biodiversity –** (James T. Carlton & Cheryl Ann Butman, *Oceanus*, Fall/Winter1995)
19. **Diversity in a Vast and Stable Habitat –** (Laurence P. Madin Katherine A.C. Madin, *Oceanus*, Fall/Winter1995)
20. **The Deep Sea: Desert and Rainforest –** (Paul V.R. Snelgrove & J. Frederick Grassle Madin, *Oceanus*, Fall/Winter1995)
21. **Getting to the Bottom of Marine Biodiversity: Sedimentary Habitats –** (Paul V.R. Snelgrove, *BioScience*, v49 n2 p129, Feb.1999)
22. **Antarctic benthic diversity –** (*Nature*, v368 , Mar. 1994)
23. **Marine Mammal Biodiversity –** (Robert L. Brownell, Jr. et al., *Oceanus*, Fall/Winter1995)
24. **New Insights on Marine Bacterial Diversity –** (Paul V. Dunlap, *Oceanus*, Fall/Winter1995)
25. **Marine species richness –** (Gary C.B. Poore & George D.F. Wilson, *Nature*, v361, Feb. 1993)
26. **Probing Biodiversity –** (David A. Caron & Rebecca J. Gast, *Oceanus*, Fall/Winter1995)

► Oceans and Population

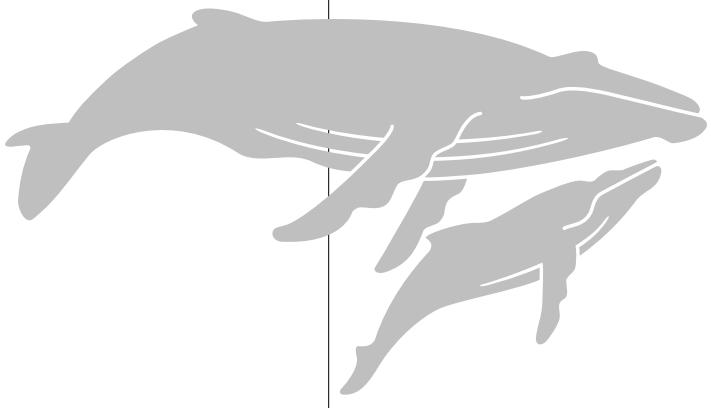
27. **Human Activities Affecting the Sea –** (GESAMP, *The State of the Marine Environment*, Chapter 1, p9, 1990)
28. **Charting a New Course for Oceans –** (Anne Platt Mcginn, *State of the World*, Worldwatch Institute, Chapter 5, p 78, 1999)
29. **Biological Effects –** (*The State of the Marine Environment*, GESAMP, Chapter 3, p66, 1990)
30. **Extinction on the High Seas –** (David Malakoff, *Science*, v277, Jul. 25, 1997)
31. **Deposits & Withdrawals –** (*Oceans Planet: perils-mining and dumping*, http://seawifs.gsfc.nasa.gov/OCEAN_PLANET/HTML/peril_mining_and_dumping.html
32. **Climate Change Effects –** (GESAMP, *The State of the Marine Environment*, Chapter 4, p94, 1990)
33. **The Oceans and Weather –** (Peter J. Webster & Judith A. Curry, *Scientific American*, v276 p38, Mar.1997)
34. **The Rising Sea –** (David Schneider, *Scientific American*, v276 p28-35 , Mar.1997)
35. **Oceans & Climate –** (Michael S. McCartney, *Oceanus*, Fall/Winter 1996)
36. **As the Oceans Switch, Climate Shifts –** (Richard A. Kerr, *Science*, v281 n5374 p157)
37. **The Enfant Terrible of the Sea –** (*UNESO Sources*, n96, Dec. 1997)
38. **Warming's Unpleasant Surprise: Shivering in the Greenhouse? –** (Richard A. Kerr, *Science*, v281 n5374 p156)

39. **Cometh the storm –** (*The Economist*, May 23, 1998)
40. **On the Edge –** (*The Economist*, May 23, 1998)
41. **Grinding to a Halt? –** (Stefan Rahmstorf, *UNESCO Sources*, n96, Dec. 1997)
42. **Global Warming and Marine Carbon Cycle Feedbacks on Future Atmospheric CO2 –** (Fortunat Joos, *Science*, v284, Apr 16, 1999)
43. **Thermohaline Circulation, the Achilles Heel of Our Climate System: Will Man-Made CO2 Upset the Current Balance?** – (Wallace S. Broecker, *Science*, v278 n5343 p1582)
44. **Twentieth-Century Sea Surface Temperature Trends –** (Mark A. Cane et al., *Science*, v275 n5302 p957)
45. **Marine Ecosystem Sensitivity to Climate Change –** (Raymond C. Smith et al., *BioScience*, v49 n5, May 1999)
46. **Impacts of Global Climate Change - With Emphasis on U.S. Coastal Areas –** (*1998 Year of the Ocean*, p1-52, http://www.yoto98.noaa.gov/yoto/meeting/climate_316.html)
47. **Simulated response of the ocean carbon cycle to anthropogenic climate warning –** (Jorge L. Sarmiento et al., *Nature*, v393 p245-249, May 21, 1998)
48. **Marine Contaminants: Levels and Distribution –** (GESAMP, *The State of the Marine Environment*, Chapter 2, p 41, 1990)
49. **Prevention and Control of Marine Pollution –** (GESAMP, *The State of the Marine Environment*, Chapter 5, p 101, 1990)
50. **Marine Pollution –** (Martin R. Lee, *Oceans & Coastal Resources: A Briefing Book*, http://www.cnie.org/nle/mar-20/r.html)
51. **The ecology of the deep ocean and its relevance to global waste management –** (Martin V. Angel et al., *Journal of Applied Ecology*, v33 p915-926, 1996)
52. **Danger at Sea: Our Changing Ocean - Signs of Trouble –** (*Seaweb*, http://www.seaweb.org/campaigns/danger/trouble.html)
53. **A not so bottomless sea –** (Sophie Boukhari, *UNESCO Sources* n96, Dec. 1997)
54. **Enriching the Sea to Death –** (Scott W. Nixon, *Scientific American*, v276, Mar.1997)
55. **Land-based activities: what remains to be done –** (Caroline Williams et al, *Oceans & Coastal Management*, v29 n1-3 p207-222, 1995)
56. **Solving the mysteries of ocean-borne trash –** (Kim Clark, *U.S. News & World Report*, Apr. 12, 1999)
57. **What the Brochures don't tell you –** (*Consumer Reports*, v63 n11 p8, Nov.1998)
58. **Plasticizing the Seafloor: An Overview –** (E.D. Goldberg, *Environmental Technology*, v18 p195-202, 1997)
59. **Oil Pollution –** (*Ocean Planet*, http://seawifs.gsfc.nasa.gov/OCEAN_PLANET/HTML/peril_oil_pollution.html)
60. **Toxic Materials –** (*Ocean Planet*, http://seawifs.gsfc.nasa.gov/OCEAN_PLANET/HTML/peril_toxins.html)
61. **Contamination of the Deep Sea –** (K.H. Ballschmiter et al., *Marine Pollution Bulletin*, v34 n5 p288-289, 1997)
62. **Contaminants in the artic marine environment: priorities for protection –** (R. W. Macdonald et al., *ICES Journal of Marine Science*, v53 p537-563, 1996)
63. **Anthropogenic lead in Antarctic sea water –** (A.R. Flegal et al, *Nature*, v365, Sept. 16, 1993)
64. **Saving Marine Biodiversity –** (Robert J. Wilder et al., *Issues in Science & Technology*, v15 n3 p57, Spr.1999)
65. **Ecological Roulette: The Global Transport of Nonindigenous Marine Organisms –** (James T. Carlton & Jonathan B. Geller, *Science*, v261, Jul.1993)
66. **Pattern, Process, and Prediction in Marine invasion ecology –** (James T. Carlton, *Biological Conservation*, v78 p97-106, 1996)
67. **To introduce or not to introduce: trade-offs of non-indigenous organisms –** (Curtis C. Daehler & Dorla R. Gordon, *Trends in Ecology and Evolution*, v12 n11, Nov. 1997)
68. **Biological Control of Marine Pests –** (Kevin D. Lafferty & Armand M. Kurtis, *Ecology*, v77 p1989-2000, 1996)
69. **Too Many Boats in the Ocean –** (Serge Garcia, *UNESCO Sources* n96, Dec.1997)
70. **Bobbing bytes –** (*The Economist*, May 23, 1998)
71. **A Survey of International Agreements –** (NOAA, http://www.yoto98.noaa.gov/yoto/meeting/intl_agr_316.html)
72. **Convention on the Law of the Sea - Overview –** (DOALOS, *Oceans and Law of the Sea*, http://www.un.org/Depts/los/losconv1.htm)
73. **Principles for Sustainable Governance of the Oceans –** (Robert Costanza et al., *Science*, v281 n5374 p198)
74. **The Evolution of Ocean Law –** (Jon L. Jacobson & Alison Rieser, *Scientific American*, v276 p100, Mar.1997)
75. **Unfinished Business –** (Elisabeth Mann Borgese, *UNESCO Sources* n96, Dec. 1997)
76. **Abandoned Seas –** (Peter Weber, *Worldwatch Paper116*, p38, Nov. 1993)

77. **MARPOL 73/78 Overview –** (*Office of Water*, MARPOL 73/78, http://www.epa.gov/OWOW/OCPD/marpol.html)
78. **1998 International Year of the Ocean: Message of UNESCO Director General** – (*UNESCO Presse*, http://ioc.unesco.org/iyo/newsdesk/97-250e.htm)
79. **The Policy Makers Challenge –** Radioactive Dumping in the Artic Ocean – (John Lamb et al, *Oceanus*, p89, Fall 1993)
80. **The deep green sea –** (*The Economist*, May 23, 1998)
81. **Ocean Energy and Minerals: Resources for the Future** – (NOAA, *1998 Year of the Ocean*, http://www.yoto98.noaa.gov/yoto/papers.htm)

► Future Trends

82. **Danger at Sea: Our Changing Ocean – Future Directions –** (*Seaweb*, http://www.seaweb.org/campaigns/danger/future.html)
83. **Danger at Sea: Our Changing Ocean - Difficulties in Addressing the Problems –** (*Seaweb*, http://www.seaweb.org/campaigns/danger/difficulty.html)
84. **Current Status and Future Trends in Ocean Observation Systems –** (Ram K. Mohan, *MTS Journal*, v32 n3 p96)
85. **Reflections on marine science contributions to sustainable development –** (Dr. Gunnar Kullenberg, *Ocean & Coastal Management*, v29 n1-3 p35-49, 1995)
86. **Ocean Research for Understanding Global Climate –** (John Justus, *Oceans & Coastal Resources: A Briefing Book*, http://www.cnie.org/nle/mar-20/b.html)
87. **Instruments Cast Fresh Eyes on the Sea –** (Robert Irion, *Science*, v281 n5374 p194)
88. **Global Ocean Observing System –** (*GOOS Project Office*, http://ioc.unesco.org/goos/)
89. **Ocean Drilling Floats Ambitious Plans for Growth –** (Richard A. Kerr, *Science*, v282 n5392 p1251)
90. **Scientific Ocean Drilling –** (Thomas A. Davies, *MTS Journal*, v32 n3 p5)
91. **Burial of Radioactive Waste under the Seabed –** (Charles D. Hollister & Steven Nodis, *Scientific American*, Jan. 1998)



URBANIZATION AND SPRAWL

► Introduction

1. **Reinventing Cities for People and the Planet –** (Molly O'Meara, *Worldwatch Paper 147*, June 1999)
2. **From traumatic transition to a reasonable urban future –** (Jorge Wilheim, *"The Challenges of Urban Governance"*, WWIC, June 3, 1999)
3. **Part I-6: The Urban Environment –** (*World Resources 1996-97*, Executive Summary, Chapter 1-6, 1997)
4. **A Survey of Cities: Turn up the lights –** The dark side (Part 5 of 8) **–** (John Parker, *The Economist*, http://www.economist.com/archive/view.cgi, July 25, 1995)
5. **Urban and Rural Areas –** (*United Nations, Dept of Economic .and Soc. Affairs Pop. Div*., http://www.undp.org/popin/wdtrends/ura/tura.htm)
6. **Urban and Rural Areas –** (*United Nations, Dept of Economic .and Soc. Affairs Pop. Div*., http://www.undp.org/popin/wdtrends/ura/tura.htm)
7. **Urban and Rural Areas –** (*United Nations, Dept of Economic .and Soc. Affairs Pop. Div*., http://www.undp.org/popin/wdtrends/ura/urarwld.htm)
8. **Urban and Rural Areas-1996-Percentage of population living in urban areas in 1996 and 2030 –** (*United Nations, Dept of Economic and Soc. Affairs Pop. Div*., http://www.undp.org/popin/wdtrends/ura/uracht1.htm)
9. **Urban and Rural Areas Urban population (billions) 1950-2030 –** (*United Nations, Dept of Economics and Soc. Affairs Pop. Div*., http://www.undp.org/popin/wdtrends/ura/uracht2.htm)
10. **Urban and Rural Areas 1996-Urban population (billions) 1950-2030 –** (http://www.undp.org/popin/wdtrends/ura/uracht3.htm)
11. **Urban Agglomerations 1996-World's urban agglomerations with populations of 10 million or more inhabitants in 1996: 1970, 1996 and 2015 –** (http://www.undp.org/popin/wdtrends/urb/urbcht1.htm)
12. **Urban Agglomerations 1996-Number of urban agglomerations with 1 million or more inhabitants: 1950 to 2015 –** (*United Nations, Dept of Economist .and Soc. Affairs Pop. Div*., http://www.undp.org/popin/wtrends/urb/urbcht2.htm))
13. **Urban Growth –** (*World Resources 1998-99*, p146-147)
14. **Urban and Industrial Environments –** (*GEO-1*, Chapter 2, http://www.unep.org/unep/eia/geo1/ch/ch2_11.htm)
15. **Megacities Sweet Dreams or Environmental Nightmares? –** (Walter R. Lynn, *Proceedings of the American Chemical Society*, v33 n11 p238, June 1, 1999)
16. **Ecological footprints of the future –** (Dr. William Rees, *People and the Planet*, http://www.oneworld.org/patp/vol6/rees.html)
17. **Towards healthy cities –** (David Satterthwaite, *People and the Planet*, http://www.oneworld.org/patp/vol6/satterth.html)
18. **How the cities grow –** (Robert Livernash and David Satterthwaite, *People and the Planet*, http://www.oneworld.org/patp/vol6/livernas.html)
19. **Data Table 9.1 Urban Indicators, 1980-2025 –** (*World Resources 1998-99*, p274-281)
20. **Urban Upgrading: Service Delivery to the Urban Poor –** (*The World Bank Group*, p1-6, http://www.worldbank.org/html/fpd/urban/urb)
21. **Secondary Cities in West Africa: The Challenge for Environmental Heath and Prevention –** (May Yacoob and Margo Kelly, Woodrow Wilson International, *Comparative Urban Studies*, Occasional Paper Series-, n21, 1999)
22. **Population Boom Crowds Croplands –** (*International Wildlife*, v26 n2 p31, http://204.179.122.147/fulltext, Mar/Apr1996)
23. **Urbanization and Agriculture to the Year 2020 –** (*2020 Vision News and Views*, http://www.ifpri.cgiar.org/2020/newslet/nv_0496/nv_0496a.htm, Apr. 1996)
24. **Time to help the city farmers of Africa –** (Diana Lee-Smith, *People and the Planet*, http://carryon.oneworld.org/patp/vol6/leesmith.html)
25. **Water Supply, Sanitation, and Environmental Sustainability - The Financing Challenge –** (Ismail Serageldin, in *Directions in Development*, The World Bank, p1-35, 1994)
26. **Water for Big Cities: Big Problems, Easy Solutions? –** (Peter Rogers et al, *Policy Brief # 3*, p1-5, http://wwics.si.edu/THEMES/URBAN/briefs/webrogers.htm, Feb. 1999)
27. **Should We Pay for Water? And If So, How? –** (John Kalbermatten, *Urban Magazine*, The World Bank Group, http://www.worldbank.org/htm/fpd/urban/urb-age/winter99)
28. **Bail Out: The Global Privatization of Water Supply –** (Penelope J. Brook Cowen, *Urban Magazine*, The World Bank Group, http://www.worldbank.org/html/fpd/urban/urb_age/winter99/bail.html)

29. **Report 284: Effects of Urbanization and Land-Use Changes on Low Stream Flow –** (Jack B. Evett, http://www2.ncsu.edu/ncsu/wrri/reports/evett.html, Apr. 10, 1999)
30. **Sustainable Watershed Management at the Rapidly Growing Urban Fringe –** (T. H. Cahill et al., http://www.epa.gov/OWOW/watershed/Proceed/cahill.html)
31. **Noah's Mandate and the Birth of Urban Bioplanning –** (Bruce Babbitt, *Conservation Biology*, v13 n3, June, 1999)
32. **What is $mart Growth? –** (Overview Page, *Smart Growth Network*, 123, http://www.smarthgrowth.org/topics/whatwhy.html)
33. **Policies to Improve the Urban Environment –** (Ariel Alexandre, in *Our Cities Our Future*, http://www.who.ak/heathy-cities, 1996)*
34. **Participatory Urban Environmental Management: The Case of Ahmedabad, India –** (Dinesh Mehta, Woodrow Wilson International, *Comparative Series Studies*, Occasional Paper Series, n20, 1999)
35. **Urban Governance: Lessons from Best Practices in Asia –** (Dinesh Mehta, *UNDP Policy Document on Governance*, 1997)
36. **The Habitat II Conference: Moving Slowly Toward Sustainable Cities –** (Stephen Wheeler, *Urban Ecologist*, http://www.urbanecology.org/journal/ue96n3a.htm)
37. **Seven Megacities with the Worst Air Pollution –** (*World Health Organization and the United Nations Environment Programme*, http://www.wri.org/enved/trends/atm-10f.html, 1992)
38. **Synopsis: Environmentally Sustainable Urbanization and Transportation in China-the Case for Territorial Development Planning –** (*Ambio*, v28 n2 p198-203, March, 1999)
39. **Express Solutions on Sunol: New, Transportation Choices Cut Congestion –** (http://www.edf.org/pubs/reports/sunolgrade/sunolgrade.pdf, August, 1999)
40. **Analyzing Urban Solid Waste in Developing Countries: a Perspective on Bangalore, India –** (Peter van Beukering et al., *Working Paper No. 24*, March, 1999)
41. **Shanghai's migrants millions –** (James Irwin, *UNESCO Courier*, n 6 p32, June, 1999)
42. **Are Mega Cities Viable? –** (Exequiel Ezcurra and Marisa Mazari-Hiriart, *Environment*, v38 p6-8, Jan./Feb. 1996)
43. **Urbanization, Roads, and Rural Population Change in the Ecuadorian Andes –** (Thomas K. Rudel and Samuel Richards, *Studies in Comparative International Development*, v25 n3 p73, Fall 1990)
44. **Building green islands in Bombay –** (Charles Pye-Smith, *People and the Planet*, http://www.oneworld.org/patp/vol6/pyesmith.html)
45. **Brazil's urban laboratory takes the strain –** (Christina Cavalcanti, *People and the Planet*, http://www.oneworld.org/patp/vol6/cavalcan.html)
46. **Border crossing –** (R. Arrowsmith, *Science*, v278 n5337 p375, Oct. 1997)
47. **Ecological Principles and Guidelines for managing the use of land –** (V. H. Dale et al., *Ecological Society of America's Committee on Land Use*, Version 28, April 29, 1999)
48. **Chapter 10: Integrated approach to the planning and management of land resources –** (Agenda 21, *Progress Report FAO*, http://www.fao.org/sd/epdirect/Epre0029.htm)

► Urbanization and Population

49. **Population & Urban Sprawl –** (*National Wildlife Federation*, Fact Sheet, www.nwf.org/population)
50. **Population, Urbanization, Environment, and Security: A Summary of the Issues –** (Ellen Brennan, *Woodrow Wilson International*, Occasional Paper Series- Comparative Urban Studies, n22, 1999)
51. **Limits and Constraints Excerpts from the World Food Summit –** (*Population Reports*, v25 n4 p10, http://204.179.22.147/fulltext, Dec.1997)
52. **Ecosystem Appropriation by Cities –** (Carl Folke et al., *Ambio*, v26 n3 p167-172, May 1997)
53. **Migration, Urbanization, and Social Adjustment –** (Michael J. White, *Policy Brief #1*, http://wwics.si.edu/THEMES/URBAN/briefs/webwhite.htm, Feb. 1999)
54. **Urban Violence in Sao Paulo, BRAZIL: Urbanization, Population Growth, and Inequality –** (Nancy Cardia, *The Woodrow Wilson Center*, June 3, 1999)
55. **U.S. States Reports on Population and Environment: Land-Use and Sprawl Chapter –** (Victoria D. Markham et al., Center for Environment and Population (CEP), 2002)

► Future Trends

56. **The city as ecosystem –** (Mary Parlange, *BioScience*, v48 n8 p581-585, Aug. 1998)

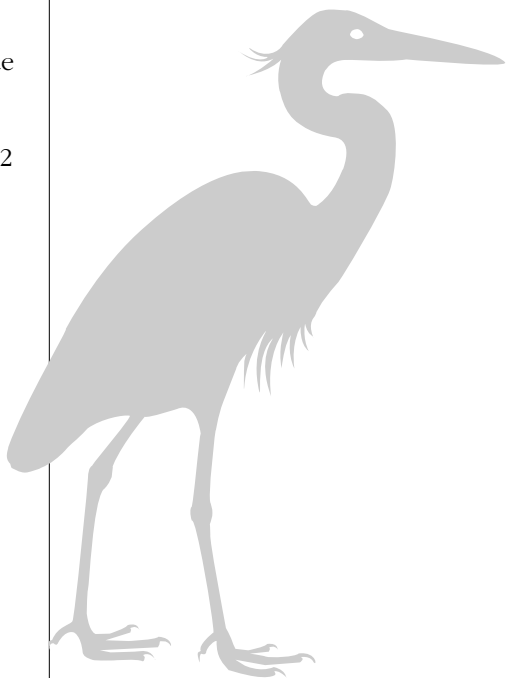
WETLANDS

► Introduction

1. **Types of Wetlands and Their Roles in the Watershed –** (Water Quality Group, North Carolina State University, http://h2osparc.wq.ncsu.edu/info/wetlands/types3.html)
2. **Wetlands Loss and Degradation –** (Water Quality Group, North Carolina State University, http://h2osparc.wq.ncsu.edu/info/wetlands/types3.html)
3. **Types of Wetlands –** (US Environmental Protection Agency)
4. **What are Wetlands? –** (US Environmental Protection Agency, http://www.epa.gov/OWOW/wetlands/vital/what.html)
5. **America's Wetlands: Our Vital Link Between Land and Water –** (US Environmental Protection Agency)
6. **Wetlands and Nature –** (US Environmental Protection Agency, http://www.epa.gov/OWOW/wetlands/vital/nature.html)
7. **World's wetlands sucked dry –** (Ian Anderson, *New Scientist*, Database: Academic Search Elite, Record 1-5 in GEOBASE)
8. **Wetlands of the world: inventory, ecology, and management –** (Dennis Whigham, Dagmar Dykyjova, and Slavomil Hejny, includes bibliographical references and index)
9. **Potential Feedbacks of Northern Wetlands on Climate Change –** (Scott D. Bridgham and Carol A. Johnston, *BioScience*, v45 n4 p262, Apr. 1995)
10. **Protection of wetlands and coastal lands and their habitats –** (Tom Kabil and Peter Bacon, Special Paper, *XI World Forestry Congress*, p 329-336, 1997)
11. **Putting a Price Tag on Nature's Bounty –** (Wade Roush, *Science*, v276 n5315 p1029, May 16, 1997)
12. **Creating and Restoring Wetlands –** (William J. Mitsch and Xinyuan Wu et al., *BioScience*, v48 n12 p1019, Dec.1998)
13. **Restored Wetlands Flunk Real-World Test –** (David Malakoff, *Science*, April 1998)

► Wetlands and Population

14. **Population & Wetlands –** (*National Wildlife Federation,* Fact Sheet, www.nwf.org/population)



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