

Environment and Society in Latin America

Institute of Latin American Studies
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1999-2000

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Reading List

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Summary of Sessions 2000-2001

Friday, 14:00-16:00, Old Library

I. Approaching Environment-Society Issues

- 1 13/10 Defining 'Nature'
- 2 20/10 Debating Political Ecology
- 3 27/10 Doing Environmental History
- 4 3/11 Constructing Environmental Policy

II. Environmental History: Debates, Methods and Case Studies

- 5 10/11 Pre-Columbian Amazonia
- 6 17/11 Colonial Mexico
- 7 24/11 The Amazon Rubber Boom
- 8 1/12 Explaining Deforestation
- 9 8/12 Texts for Environmental History

III. Contemporary Political Ecologies

- 10 15/12 Amazonia: Biophysical Nature
- 11 12/1 Amazonian Deforestation
- 12 19/1 Central American Deforestation
- 13 26/1 Impacts of Petroleum Exploration and Mining
- 14 2/2 Environmental Impacts of Illegal Drugs
- 15 9/2 Cultural Survival: Land Use and Resistance
- 16 16/2 US-Mexico Border
- 17 23/2 Ecotourism

IV. Environmental Policy and Economic Development

- 18 2/3 Institutions
- 19 9/3 Local Participation
- 20 16/3 Swidden and Caboclo/Ribereño Agriculture
- 21 23/3 Agroforestry and Extractivism
- 22 30/3 Nature Reserves and Green Imperialism

Course Overview

This course will provide students with a theoretical and conceptual basis to understand a wide range of human-environment issues and policies in Latin America. Readings and discussions are divided into four broad topics: approaches to environment-society issues; environmental history; contemporary political ecologies; and environmental policy. Weekly sessions are intended to elicit critical discussion of the main issues in the literature, the methodologies employed and the influence of academic research or debates on environmental policy.

Introductory Reading (purchase recommended)

- Dean, Warren. 1995. *With Broadax and Firebrand: The Destruction of the Brazilian Atlantic Forest*. Berkeley: University of California Press.
- Bryant, Raymond L., and Sinéad Bailey. 1997. *Third World Political Ecology*. London: Routledge.
- Hajer, Maarten. 1995. *The Politics of Environmental Discourse: Ecological Modernization and the Policy Process*. Oxford: Clarendon Press.
- Hall, Anthony, ed. 2000. *Amazonia at the Crossroads: The Challenge of Sustainable Development*. London: Institute of Latin American Studies.
- Kane, Joe. 1996. *Savages*. New York: Vintage Books.
- Melville, Elinor G. K. 1994. *A Plague of Sheep: Environmental Consequences of the Conquest in Mexico*. Cambridge: Cambridge University Press.
- Pepper, D. 1996. *Modern Environmentalism: An Introduction*. London: Routledge.
- Peet, Richard, and Michael Watts, eds. 1996. *Liberation Ecologies: Environment, Development, Social Movements*. New York: Routledge.
- Simon, Joel. 1998. *Endangered Mexico: An Environment on the Edge*. San Francisco: Sierra Club Books.

One of the following for Week 9:

- Abreu, João Capistrano de. 1997 [1907]. *Chapters of Brazil's Colonial History*. Translated by Arthur Brakel. New York: Oxford University Press.
- Cunha, Euclides da. 1995 [1902]. *Rebellion in the Backlands*. Translated by Samuel Putnam. London: Picador.
- Sarmiento, Domingo F. 1998 [1845]. *Facundo: Or, Civilization and Barbarism*. Translated by Mary Peabody Mann. New York: Penguin Putnam.
- Amado, Jorge. 1965 [1943]. *The Violent Land*. Translated by Samuel Putnam. New York: Alfred A. Knopf.
- Léry, Jean de. 1992 [1574]. *History of a Voyage to the Land of Brazil*. Translated by Janet Whatley. Berkeley: University of California Press.
- Lévi-Strauss, Claude. 1997 [1955]. *Tristes Tropiques*. Translated by John Weightman and Doreen Weightman. New York: Modern Library.
- Ramos, Graciliano. 1973 [1938]. *Barren Lives*. Translated by Ralph Edward Dimmick. Austin: University of Texas Press.

[new section]

Useful Reference:

- Barrow, C. J. 1995. *Developing the Environment: Problems and Management*. Essex: Longman.

Goudie, Andrew. 1994. *The Human Impact on the Natural Environment*. 4th ed. Cambridge: The MIT Press.

O'Riordan, Timothy, ed. 2000. *Environmental Science for Environmental Management*. 2nd ed. London: Prentice-Hall.

Turner, B. L. II, William C. Clark, Robert W. Kates, John F. Richards, Jessica T. Mathews, and William B. Meyer, eds. 1990. *The Earth as Transformed by Human Action: Global and Regional Changes in the Biosphere over the Past 300 Years*. New York: Cambridge University Press.

Part I. Approaching Environment-Society Issues

13 October 2000

1. **Defining 'Nature'** Is nature socially constructed?

- **Cronon, William. 1995. The trouble with wilderness; or, getting back to the wrong nature. In *Uncommon Ground: Toward Reinventing Nature*, edited by W. Cronon. New York: W.W. Norton.
- ***Gómez-Pompa, Arturo, and Andrea Kaus. 1992. Taming the wilderness myth. *BioScience* 42 (4):271-279.
- **Lease, Gary. 1995. Introduction: nature under fire. In *Reinventing Nature? Responses to Postmodern Deconstructionism*, edited by M. E. Soulé and G. Lease. Washington, D. C.: Island Press.
- ***Pepper, D. 1996. *Modern Environmentalism: An Introduction*. London: Routledge.
- ***Redford, Kent H., Andrew Taber, and Javier A. Simonetti. 1990. There is more to biodiversity than the tropical rain forests. *Conservation Biology* 4 (3):328-30.
- ***Williams, R. 1976. *Keywords: A Vocabulary of Culture and Society*. New York: Oxford University Press. "Culture" and "Nature," pp. 87-93, 219-224.
- **Worster, Donald. 1995. Nature and the disorder of history. In *Reinventing Nature? Responses to Postmodern Deconstructionism*, edited by M. E. Soulé and G. Lease. Washington, D. C.: Island Press.
- ***Zimmerer, Karl S., and Kenneth R. Young. 1998. Introduction: the geographical nature of landscape change. In *Nature's Geography: New Lessons for Conservation in Developing Countries*, edited by K. S. Zimmerer and K. R. Young. Madison: University of Wisconsin Press.

Supplementary

- *Botkin, D. 1990. *Discordant Harmonies: A New Ecology for the Twenty-first Century*. New York: Oxford University Press.
- *Glacken, Clarence J. 1967. *Traces on the Rhodian Shore: Nature and Culture in Western Thought from Ancient Times to the End of the Eighteenth Century*. Berkeley: University of California Press.
- *Merchant, Carolyn. 1980. *The Death of Nature: Women, Ecology, and the Scientific Revolution*. New York: HarperCollins.
- *Worster, Donald. 1994. *Nature's Economy: A History of Ecological Ideas*. 2nd ed. Cambridge: University of Cambridge Press.

20 October 2000

2. **Debating Political Ecology** Is political ecology a theoretical perspective or a methodological approach?

- **Blaikie, Piers. 1985. *The Political Economy of Soil Erosion in Developing Countries*. London: Longman. Introduction, Chapter 1.
- **Blaikie, Piers, and Harold Brookfield. 1987. *Land Degradation and Society*. New York: Routledge. Chapter 1-4.
- ***Blaikie, P. 1994. Political ecology in the 1990s: an evolving view of nature and society. CASID Distinguished Speaker Series, No. 13. Michigan State University.
- ***Bryant, Raymond L., and Sinéad Bailey. 1997. *Third World Political Ecology*. London: Routledge. Introduction and Chapters 1-2.

***Peet, Richard, and Michael Watts. 1996. Liberation ecology: development, sustainability, and environment in an age of market triumphalism. In *Liberation Ecologies: Environment, Development, Social Movements*, edited by R. Peet and M. Watts. New York: Routledge.

**Watts, Michael J., and J. McCarthy. 1997. Nature as artifice: development, environment and modernity. In *Geographies of Economies*, edited by R. Lee and J. Wills. London: Arnold.

Supplementary

*Marsh, G. P. 1864 [1965]. *Man and Nature: Or, Physical Geography as Modified by Human Action*, ed. D. Lowenthal. Cambridge: Harvard University Press.

*Thomas, William L. Jr., ed. 1956. *Man's Role in Changing the Face of the Earth*. 2 vols. Chicago: University of Chicago Press.

*Turner, B. L. II, et al., eds. 1990. *The Earth as Transformed by Human Action: Global and Regional Changes in the Biosphere over the Past 300 Years*. New York: Cambridge University Press.

27 October 2000

3. **Doing Environmental History** Can environmental history be useful politically?

**Crosby, Alfred W. 1995. The past and present of environmental history. *American Historical Review* 100 (4):1177-89.

***Dean, Warren. 1992. The tasks of Latin American environmental history. In *Changing Tropical Forests: Historical Perspectives on Today's Challenges in Central and South America*, edited by H. K. Steen and R. P. Tucker. Durham: Forest History Society.

**Russell, Emily W. B. 1997. *People and the Land Through Time: Linking Ecology and History*. New Haven: Yale University Press.

***Whitney, Gordon G. 1994. *From Coastal Wilderness to Fruited Plain: A History of Environmental Change in Temperate North America 1500 to the Present*. Cambridge: Cambridge University Press. Chapter 2.

**Worster, Donald. 1990. Transformations of the earth: towards an agroecological perspective of history. *Journal of American History* 76 (4): 1087-1106.

***Worster, Donald. 1988. Doing environmental history. In *The Ends of the Earth: Perspectives on Modern Environmental History*, edited by D. Worster. New York: Cambridge University Press.

Supplementary

*Beinart, William, and Peter Coates. 1995. *Environment and History: The Taming of Nature in the USA and South Africa*. London: Routledge.

*Brannstrom, Christian. 1997. Brazilian county-level juridical documents as sources for historical geography: a case study from western São Paulo State. *Yearbook, Conference of Latin Americanist Geographers* 23:41-50.

*Cronon, William. 1990. Modes of prophecy and production: placing nature in history. *Journal of American History* (76):1122-1131.

*Cronon, William. 1993. The uses of environmental history. *Environmental History Review* 17 (3):1-22.

*Cronon, William. 1983. *Changes in the Land: Indians, Colonists, and the Ecology of New England*. New York: Hill and Wang.

*Cronon, William. 1991. *Nature's Metropolis: Chicago and the Great West*. New York:

W.W. Norton and Co.

- *Griffiths, Tom, and Libby Robin, eds. 1997. *Ecology and Empire: Environmental History of Settler Societies*. Edinburgh: Keele University Press.
- *Gutiérrez, Ramón, and Richard J. Orsi, eds. 1998. *Contested Eden: California Before the Gold Rush*. Berkeley: University of California Press.
- *McAvoy, Arthur F. 1986. *The Fisherman's Problem: Ecology and Law in the California Fisheries, 1850-1980*. New York: Cambridge University Press.
- *Merchant, Carolyn, ed. 1998. *Green Versus Gold: Sources in California's Environmental History*. Washington, D.C.: Island Press.
- *Pyne, Stephen J. 1997. *Vestal Fire: An Environmental History, Told Through Fire, of Europe and Europe's Encounter with the World*. Seattle: University of Washington Press.
- *O'Connor, James. 1997. What is environmental history? Why environmental history. *Capitalism, Nature, Socialism* 8 (2):3-29.
- *Sluyter, Andrew S. 1997. Landscape change and livestock in sixteenth-century New Spain: the archival data base. *Yearbook, Conference of Latin Americanist Geographers* 23:27-39.
- *White, Richard. 1980. *Land Use, Environment, and Social Change: The Shaping of Island County, Washington*. Seattle: University of Washington Press.
- *Williams, Michael. 1989. *Americans and their Forests: A Historical Geography*. New York: Cambridge University Press.
- *Worster, Donald. 1979. *Dust Bowl: The Southern Plain in the 1930s*. New York: Oxford University Press.

3 November 2000

4. Constructing Environmental Policy Are environmental problems, and sustainable development in particular, 'constructed' socially?

- *Adams, W. 1992. *Green Development: Environment and Sustainability in the Third World*. London: Routledge.
- ***Adams, W. M. 1995. Green development theory? Environmentalism and sustainable development. In *Power of Development*, edited by J. Crush. London: Routledge.
- **Ames, Barry, and Margaret E. Keck. 1997. The politics of sustainable development: Environmental policy making in four Brazilian states. *Journal of Interamerican Studies and World Affairs* 39 (4):1-40.
- **Gandy, M. 1996. Crumbling land: The postmodernity debate and the analysis of environmental problems. *Progress in Human Geography* 20 (1): 23-40.
- *Goodman, David, and Michael Redclift, eds. 1991. *Environment and Development in Latin America: The Politics of Sustainability*. Manchester: Manchester University Press.
- ***Hajer, Maarten. 1995. *The Politics of Environmental Discourse: Ecological Modernization and the Policy Process*. Oxford: Clarendon Press. Chapters 1-3.
- ***Keck, Margaret E. 1998. Planaflo in Rondônia: The limits of leverage. In *The Struggle for Accountability: The World Bank, NGOs, and Grassroots Movements*, edited by J. A. Fox and L. D. Brown. Cambridge: The MIT Press.
- **Lélé, Sharachandra M. 1991. Sustainable development: A critical review. *World Development* 19 (6):607-621.
- **Redclift, Michael. 1994. Sustainable development: economics and the environment. In

Strategies for Sustainable Development: Local Agendas for the South, edited by M. Redclift and C. Sage. Chichester: John Wiley & Sons.

- ***Silva, Eduardo. 1997. The politics of sustainable development: Native forest policy in Chile, Venezuela, Costa Rica and Mexico. *Journal of Latin American Studies* 29 (2):457-93.

Part II. Environmental History: Debates, Methods and Case Studies

10 November 2000

- 5. Precolumbian Amazonia** What explains the wide range of positions on the question of precolumbian Amazonian landscapes and societies?

[include Denevan's 'Pristine Myth', Erickson in Nature, discussion in Science?]

- **Balée, William, ed. 1998. *Advances in Historical Ecology*. New York: Columbia University Press. Chapters by Posey and Roosevelt.
- **Carneiro, Robert J. 1995. The history of ecological interpretations of Amazonia: does Roosevelt have it right? In *Indigenous Peoples and the Future of Amazonia: An Ecological Anthropology of an Endangered World*, edited by L. E. Sponsel. Tucson: University of Arizona Press.
- *Denevan, William M. 1992. Native American populations in 1492: recent research and a revised hemispheric estimate. In *The Native Population of the Americas in 1492*, edited by W. M. Denevan. Madison: University of Wisconsin Press.
- **Denevan, William M. 1992. The pristine myth: the landscape of the Americas in 1492. *Annals of the Association of American Geographers* 82 (3):369-85.
- ***Denevan, William M. 1996. A bluff model of riverine settlement in prehistoric Amazonia. *Annals of the Association of American Geographers* 86 (4):654-681.
- *Meggers, Betty J. 1971. *Amazonia: Man and Nature in a Counterfeit Paradise*. Chicago: Adeline.
- *Meggers, Betty J. 1985. Aboriginal adaptation in Amazonia. In *Key Environments: Amazonia*, edited by G. T. Prance and T. E. Lovejoy. Oxford: Pergamon Press.
- ***Meggers, Betty J. 1995. Judging the future by the past: the impact of environmental instability on prehistoric Amazonian populations. In *Indigenous Peoples and the Future of Amazonia: An Ecological Anthropology of an Endangered World*, edited by L. E. Sponsel. Tucson: University of Arizona Press.
- ***Roosevelt, Anna. 1989. Resource management in Amazonia before the conquest: beyond ethnographic projection. *Advances in Economic Botany* 7:30-62.
- ***Roosevelt, Anna. 1994. Amazonian anthropology: Strategy for a New Synthesis. In *Amazonian Indians from Prehistory to the Present: Anthropological Perspectives*, edited by A. Roosevelt. Tucson: University of Arizona Press.

17 November 2000

- 6. Colonial Mexico** Why is there such wide range of opinion on the question of the environmental impacts of livestock in colonial Mexico?

- ***Butzer, Karl W. 1993. No Eden in the New World. *Nature* 362 (4 March):15-17.
- *Butzer, Karl W. 1988. Cattle and sheep from Old to New Spain: historical antecedents. *Annals of the Association of American Geographers* 78:29-56.
- ***Butzer, Karl W., and E. K. Butzer. 1997. The 'natural' vegetation of the Mexican Bajío: archival documentation of a 16th-century savanna environment. *Quaternary International* 43 (4):161-172.
- ***Endfield, Georgina, and Sarah L. O'Hara. 1999. Degradation, drought, and dissent: an environmental history of colonial Michoacán, West Central Mexico. *Annals of the Association of American Geographers* 89 (3):402-419.
- ***Melville, Elinor G. K. 1994. *A Plague of Sheep: Environmental Consequences of the Conquest in Mexico*. Cambridge: Cambridge University Press.
- ***Melville, Elinor G. K. 1998. Cultural persistence and environmental change: The Otomí of the Valle del Mezquital, Mexico. In *Advances in Historical Ecology*, edited by W. Balée. New York: Columbia University Press.
- ***O'Hara, Sarah L., F. Alayne Street-Perrott, and Timothy P. Burt. 1993. Accelerated soil erosion around a Mexican highland lake caused by prehispanic agriculture. *Nature* 362 (4 March):48-51.
- *Sluyter, Andrew. 1998. From archive to map to pastoral landscape: a spatial perspective on the livestock ecology of sixteenth-century New Spain. *Environmental History* 3 (4):508-28.
- **Sluyter, Andrew S. 1996. The ecological origins and consequences of cattle ranching in sixteenth-century New Spain. *Geographical Review* 86 (2):161-177.
- Supplementary*
- *Crosby, Alfred W. 1972. *The Columbian Exchange: Biological and Cultural Consequences of 1492*. Westport, CN: Greenwood Press.
- *Crosby, Alfred W. 1986. *Ecological Imperialism: The Biological Expansion of Europe, 900-1900*. Cambridge: Cambridge University Press.
- *Ouweneel, Arij. 1996. *Shadows over Anáhuac: An Ecological Interpretation of Crisis and Development in Central Mexico, 1730-1800*. Albuquerque: University of New Mexico Press.

24 November 2000

7. The Amazon Rubber Boom Are the main interpretations of the Amazon rubber boom contradictory or complementary?

- ***Barham, Bradford L., and Oliver T. Coomes. 1996. *Prosperity's Promise: The Amazon Rubber Boom and Distorted Development*. Boulder, CO: Westview Press.
- ***Dean, Warren. 1987. *Brazil and the Struggle for Rubber: A Study in Environmental History*. Cambridge: Cambridge University Press.
- **Stanfield, Michael Edward. 1998. *Red Rubber, Bleeding Trees: Violence, Slavery, and Empire in Northwest Amazonia*. Albuquerque: University of New Mexico Press.
- ***Weinstein, Barbara. 1983. *The Amazon Rubber Boom 1850-1920*. Stanford: Stanford University Press.

1 December 2000

8. The Brazilian Atlantic Forest Should Dean's environmental history approach be

applied elsewhere in Latin America?

- ***Dean, Warren. 1995. *With Broadax and Firebrand: The Destruction of the Brazilian Atlantic Forest*. Berkeley: University of California Press.
- *McNeill, John R. 1988. Deforestation in the Araucaria zone of southern Brazil, 1900-1983. In *World Deforestation in the Twentieth Century*, edited by J. F. Richards and R. P. Tucker. Durham: Duke University Press.
- *Miller, Shawn William. 2000. *Fruitless Trees: Portuguese Conservation and Brazil's Timber*. Stanford: Stanford University Press.
- *Steen, Harold K., and Richard P. Tucker, eds. 1992. *Changing Tropical Forests: Historical Perspectives on Today's Challenges in Central and South America*. Durham: Forest History Society.

8 December 2000

9. Texts for Environmental History Evaluate one or more of the texts below as a source for environmental history.

- Abreu, João Capistrano de. 1997 [1907]. *Chapters of Brazil's Colonial History*. Translated by Arthur Brakel. New York: Oxford University Press.
- Cunha, Euclides da. 1995 [1902]. *Rebellion in the Backlands*. Translated by Samuel Putnam. London: Picador.
- Sarmiento, Domingo F. 1998 [1845]. *Facundo: Or, Civilization and Barbarism*. Translated by Mary Peabody Mann. New York: Penguin Putnam.
- Amado, Jorge. 1965 [1943]. *The Violent Land*. Translated by Samuel Putnam. New York: Alfred A. Knopf.
- Léry, Jean de. 1992 [1574]. *History of a Voyage to the Land of Brazil*. Translated by Janet Whatley. Berkeley: University of California Press.
- Lévi-Strauss, Claude. 1997 [1955]. *Tristes Tropiques*. Translated by John Weightman and Doreen Weightman. New York: Modern Library.
- Ramos, Graciliano. 1973 [1938]. *Barren Lives*. Translated by Ralph Edward Dimmick. Austin: University of Texas Press.

Part III. Political Ecologies in Contemporary Latin America

15 December 2000

10. Amazonia: Biophysical Nature How does the biophysical nature of Amazonia influence conservation and resource-use policies?

- ***Eden, Michael, and Duncan McGregor. 1994. Deforestation and the environment. In *The Forest Frontier: Settlement and Change in Brazilian Roraima*, edited by P. A. Furley. New York: Routledge.
- ***Furley, Peter A. 1990. The nature and sustainability of Brazilian Amazonian soils. In *The Future of Amazonia: Destruction or Sustainable Development?*, edited by D. Goodman and A. Hall. New York: St. Martin's Press.
- **Moran, Emilio F., Eduardo Brondizio, Paul Mausel, and You Wu. 1994. Integrating Amazonian vegetation, land-use, and satellite data. *Bioscience* 44 (5):329-338.
- **Nepstad, Daniel C., et al. 1999. Large-scale impoverishment of Amazonian forests by logging and fire. *Nature* 398 (8 April):505-8.
- **Nicholaides III, J. J., et al. 1983. Crop production systems in the Amazon Basin. In *The*

Dilemma of Amazonian Development, edited by E. F. Moran. Boulder, CO: Westview Press.

- **Sanchez, Pedro A., and Jose R. Benites. 1987. Low-input cropping for acid soils of the humid tropics. *Science* 238 (11 December):1521-1527.
- *Sioli, Harald, ed. 1984. *The Amazon: Limnology and Landscape Ecology of a Mighty Tropical River and its Basin*. Dordrecht: Dr. W. Junk Publisher.
- **Skole, David, and Compton Tucker. 1993. Tropical deforestation and habitat fragmentation in the Amazon: satellite data from 1978 to 1988. *Science* 260:1905-1910.
- **Wood, Charles H., and David Skole. 1998. Linking satellite, census, and survey data to study deforestation in the Brazilian Amazon. In *People and Pixels: Linking Remote Sensing and Social Science*, edited by D. Liverman, E. F. Moran, R. R. Rindfuss and P. C. Stern. Washington, D.C.: National Academy Press.

12 January 2001

11. **Amazonian Deforestation** What are the main explanations of Amazonian deforestation?

- ***Browder, John O. 1988. Public policy and deforestation in the Brazilian Amazon. In *Public Policies and the Misuse of Forest Resources*, edited by R. Repetto and M. Gillis. Cambridge: Cambridge University Press.
- *Bunker, Stephen G. 1985. *Underdeveloping the Amazon: Extraction, Unequal Exchange, and the Failure of the Modern State*. Chicago: University of Chicago Press.
- *Hall, Anthony. 1991. *Developing Amazonia: Deforestation and Social Conflict in Brazil's Carajás Programme*. Manchester: Manchester University Press.
- *Hall, Anthony. 1997. *Sustaining Amazonia: Grassroots Action for Productive Conservation*. Manchester: Manchester University Press. Chapter 2.
- *Hecht, Susanna, and Alexander Cockburn. 1990. *The Fate of the Forest: Developers, Destroyers and Defenders of the Amazon*. New York: HarperCollins.
- ***Hecht, Susanna B. 1985. Environment, development, and politics: capital accumulation and the livestock sector in eastern Amazonia. *World Development* 13 (6):663-84.
- ***Pichón, Francisco. J. 1997. Colonist land-allocation decisions, land use, and deforestation in the Ecuadorian Amazon frontier. *Economic Development and Cultural Change* 45 (4):707-744.
- ***Mahar, Dennis J. 1989. *Government Policies and Deforestation in Brazil's Amazon Region*. Washington, D.C.: The World Bank.
- *Rudel, T., and B. Horowitz. 1993. *Tropical Deforestation: Small Farmers and Land Clearing in the Ecuadorian Amazon*. New York: Columbia University Press.
- **Schmink, M. and C. Wood. 1992. *Contested frontiers in Amazonia*. New York: Columbia University Press.
- *Smith, Nigel J. H. 1982. *Rainforest Corridors: The Transamazon Colonization Scheme*. Berkeley: University of California Press.
- **Walker, Robert, Emilio Moran, and Luc Anselin. 2000. Deforestation and cattle ranching in the Brazilian Amazon: external capital and household processes. *World Development* 28 (4):683-99.

19 January 2001

12. **Central American Deforestation** What factors have been most influential in Central

American deforestation?

- ***Edelman, Marc. 1995. Rethinking the hamburger thesis: Deforestation and the crisis of Central America's beef exports. In *The Social Causes of Environmental Destruction in Latin America*, edited by M. Painter and W. H. Durham. Ann Arbor, MI: University of Michigan Press.
 - **Humphries, Sally. 1998. Milk cows, migrants, and land markets: Unraveling the complexities of forest-to-pasture conversion in northern Honduras. *Economic Development and Cultural Change* 47 (1):125-154.
 - ***Kaimowitz, David. 1997. Policies affecting deforestation for cattle in Central America. In *Sustainable Agriculture in Central America*, edited by J. P. de Groot and R. Ruben. New York: St. Martin's Press.
 - **Stonich, Susan C. 1995. Development, rural impoverishment, and environmental destruction in Honduras. In *The Social Causes of Environmental Destruction in Latin America*, edited by M. Painter and W. H. Durham. Ann Arbor, MI: University of Michigan Press.
 - ***Stonich, Susan C., and Billie R. DeWalt. 1996. The political ecology of deforestation in Honduras. In *Tropical Deforestation: The Human Dimension*, edited by L. E. Sponsel, T. N. Headland and R. C. Bailey. New York: Columbia University Press.
 - **Utting, Peter. 1993. *Trees, People and Power: Social Dimensions of Deforestation and Forest Protection in Central America*. London: Earthscan.
 - ***Utting, Peter. 1997. Deforestation in Central America: historical and contemporary dynamics. In *Sustainable Agriculture in Central America*, edited by J. P. de Groot and R. Ruben. New York: St. Martin's Press.
 - **Williams, Robert G. 1986. *Export Agriculture and the Crisis in Central America*. Chapel Hill: University of North Carolina Press.
- [also see the web site <http://www.mcspotlight.org/case/index.html>]

26 January 2001

13. Environmental Impacts of Petroleum and Mining What makes the environmental impacts of petroleum extraction and mining unique?

- ***Cleary, David. 2000. Small-scale gold mining in Brazilian Amazonia. In *Amazonia at the Crossroads: The Challenge of Sustainable Development*, edited by A. Hall. London: Institute of Latin American Studies.
- *Colchester, M. 1993. Forest peoples and sustainability. In *The Struggle for Land and the Fate of the Forest*, edited by M. Colchester and L. Lohmann. London: Zed.
- ***Kane, Joe. 1996. *Savages*. New York: Vintage Books.
- ***Kimerling, Judith. 2000. Oil development in Ecuador and Peru: Law, politics and the environment. In *Amazonia at the Crossroads: The Challenge of Sustainable Development*, edited by A. Hall. London: Institute of Latin American Studies.
- *Kimerling, Judith. 1991. *Amazon Crude*. New York: Natural Resources Defense Council.
- **Pfeiffer, W. C., et al. 1991. Mercury in the Madeira River ecosystem, Rondônia, Brazil. *Forest Ecology and Management* 38:239-45.
- **Simon, Joel. 1998. *Endangered Mexico: An Environment on the Edge*. San Francisco: Sierra Club Books. Chapter 6.

2 February 2001

14. Environmental Impacts of Coca/Cocaine and Illegal Drugs Are the environmental impacts of coca/cocaine (or illegal drugs) production more or less severe than the impacts of eradication policies?

- **Bedoya, Eduardo, and Lorien Klein. 1996. Forty years of political ecology in the Peruvian upper forest: the case of the Upper Huallaga. In *Tropical Deforestation: The Human Dimension*, edited by L. E. Sponsel, T. N. Headland and R. C. Bailey. New York: Columbia University Press.
- **Leóns, Madeline Barbara, and Harry Sanabria, eds. 1997. *Coca, Cocaine, and the Bolivian Reality*. Albany: State University of New York Press.
- ***Sage, Colin. 1994. Coca, development and environment in Bolivia. In *Strategies for Sustainable Development: Local Agendas for the South*, edited by M. Redclift and C. Sage. Chichester: John Wiley & Sons.
- ***Salm, Hans, and Máximo Liberman. 1997. Environmental problems of coca cultivation. In *Coca, Cocaine, and the Bolivian Reality*, edited by M. B. Leóns and H. Sanabria. Albany: State University of New York Press.
- **Simon, Joel. 1998. *Endangered Mexico: An Environment on the Edge*. San Francisco: Sierra Club Books. Chapter 5

9 February 2001

15. Cultural Survival: Land Use and Resistance Do strategies for cultural survival of indigenous peoples rely on a romanticised view of human-environment relations?

- **Chernela, Janet M. 1995. Sustainability in resource rights and conservation: the case of an Awa Biosphere Reserve in Colombia and Ecuador. In *Indigenous Peoples and the Future of Amazonia: An Ecological Anthropology of an Endangered World*, edited by L. E. Sponsel. Tucson: University of Arizona Press.
- ***Herlihy, Peter H. 1997. Indigenous peoples and biosphere reserve conservation in the Mosquitia rain forest corridor, Honduras. In *Conservation through Cultural Survival: Indigenous Peoples and Protected Areas*, edited by S. F. Stevens. Berkeley: University of California Press.
- **Howard, Sarah M. 1997. Livelihoods, land rights and sustainable development in Nicaragua's Bosawas Reserve. In *Sustainable Agriculture in Central America*, edited by J. P. de Groot and R. Ruben. New York: St. Martin's Press.
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