Allen, C. R., et al., 2001. "Modeling viable mammal populations in gap analyses," *Biological Conservation* 99 (2): 135-144. GIS and gap analysis have proven to be valuable tools in conservation of endangered species.

Ariyoshi, Rita. 1997. "Halting a Coral Catastrophe," *Nature Conservancy* 47 (1): 20-25. Cyanide fishing is decimating the IndoPacific's species-rich reefs but steps are being taking to turn the tide.

Bai, Y., et al. 2004. "Ecosystem stability and compensatory effects in the Inner Mongolia grassland" *Nature* 431: 181-184. A 24-year study of a natural ecosystem links net productivity with biodiversity.

Balon, E. K., and M. N. Bruton. 1986. "Introduction of alien species or why scientific advice is not heeded," *Environmental Biology of Fishes* 16: 225-320. Biologists warned that introduction of Nile perch into Lake Victoria might be disastrous. It was.

Barker, Rocky. 1993. Saving All the Parts: Reconciling Economics and the Endangered Species Act. Island Press. A good discussion of the economics of endangered species protection.

Baron, David. 2003. *The Beast in the Garden*. W.W. Norton. The killing of a Colorado jogger by a mountain lion introduces a mediation on our relationship to nature.

Barrett, C.B., et al. 2001. "Conserving biodiversity amid weak institutions." *Bioscience* 51: 497-502. Developing countries often have institutional barriers to conserving biodiversity.

Baskin, Yvonne. 1997. *The Work of Nature: How the Diversity of Life Sustains Us.* Island Press. Examines the threats posed to humans by the loss of biodiversity.

Bass, Rick. 1993. "Grizzlies: Are They Out There?" *Audubon* 95 (5): 66-70. Searching for elusive grizzlies in the San Juan Mountains of southern Colorado with the legendary Doug Peacock.

Beattie, Andrew et al. 2001. *Wild Solutions: How Biodiversity is Money in the Bank*. Yale University Press. Shows how ecological health depends on natural diversity.

Bellwood, D. R., et al. 2004. "Confronting the coral reef crisis." *Nature* 429 (6994): 827-833. A good review of the state of coral reefs worldwide.

Benyus, Janine M. 1998. *Biomimicry : Innovation Inspired by Nature*. Wm Marrow & Co. Benyus shows the great potential profitability of copying some of nature's time-tested, non-polluting room-temperature manufacturing and computing technologies.

Berger, Joel. 2004. "The Last Mile: How to Sustain Long-Distance Migration in Mammals." *Conservation Biology* 18 (2): 320-332. Comparison of terrestrial mammals

from five continents indicate that remnant long-distant migrants have poor long-term prospects.

Blaikie, Piers, et al. 1999. *Biodiversity, Human Welfare and Development*. New York: John Wiley. Explains how biodiversity has different meanings and implications to different people in society. It integrates ecology and social issues with specific emphasis on the tension between economic development and biological conservation.

Bodmer, Richard, et al. 1997. "Hunting and the Likelihood of Extinction of Amazonian Mammals," *Conservation Biology* 11 (2): 460-466. An example of the role of overhunting in the decline of biodiversity.

Boucher, Yan And W. Ford Doolittle. 2002. "The discovery, in an undersea hot vent, of an organism that does not fit into any previously defined category of life marks the creation of yet another group within the mysterious Archaea". *Nature* 417: 27–28 (2 May 2002)

Brandt, Anthony. 1997. "Not in My Backyard," *Audubon* 99 (5): 58-63. Suburbanites dig in as proliferating wildlife jumps the fence.

Brauer, Ingo . 2003. "Money as an indicator: to make use of economic evaluation for biodiversity conservation." *Agriculture, Ecosystems & Environment* 98 (1/3): 483-91. Money matters.

Bright, A.D., M.J. Manfredo, and D.C. Fulton. 2000. Segmenting the public: an explanation of value orientations to wildlife planning in Colorado. Wildlife. Society Bulletin 28 (1): 218-226. Discusses different valuations people have when determining their attitudes toward wildlife,

Bruner, A.G., R.E. Gullison, R.E. Rice and G.A.B. da Fonseca. 2001. Effectiveness of parks in protecting tropical biodiversity. *Science* 291: 125-128.

Buchman, Stephen L. and Gary Paul Nabhan. 1996. *The Forgotten Pollinators*. Island Press. The insects, birds, and mammals that pollinate our crops are dissappearing.

Burke, Lauretta, et al. 1998. *Reefs at Risk: A map-based indicator of threats to the world's coral reefs*. Washington, DC: World Resources Institute.

Burke, Lauretta, et al. 2002. *Reefs at Risk in Southeast Asia*. World Resources Institute. Coral reefs rival tropical rainforests in species richness, but 58 percent of all reefs are threatened by human activities.

Callicott, J. G. and E. T. Freyfogle. 1999. *For the Health of the Land*. Island Press. Previously unpublished essays by Aldo Leopold.

Callicott, J.Baird, Crowder, Larry B., and Mumford, Karen 1999. "Current Normative Concepts in Conservation." *Conservation Biology* 13: (1): 22-35. Feb 1999. A philosophical discussion of the stability/diversity debate.

Calvete, Carlos and Rosa Estrada. 2004. "Short-term survival and dispersal of translocated European wild rabbits. Improving the release protocol."*Biological Conservation* 130 (4): 507-516. European wild rabbits, *Oryctolagus cuniculus*, are being introduced in Spain both for sport hunting and as prey for endangered predator species.

Carbyn, L.N., S.H. Fritts, and D.R. Seip, eds. 1995. *Ecology and conservation of wolves in a changing world* Canadian Circumpolar Institute: Edmonton, Alberta, Canada. A wideranging overview of the status of wolves in North America.

Caughley, Graeme. 1995. *Conservation Biology in Theory and Practice*. Island Press. Discussions of theories for why species are driven into decline and how these declines can be reversed, set in context of economics, legislation, and treaties.

Clark, J.A. 1994. "The Endangered Species Act: its history, provisions, and effectiveness." In *Endangered Species recovery: Finding the Lessons, Improving the Process.* T.W. Clark, et al (eds). Island Press. A good review of this important law.

Clark, Tim W. 1997. *Averting Extinction: Reconstructing Endangered Species:* Island Press. The story of efforts to save the black-footed ferret, illustrating the difficulties implementing complex environmental policies, and proposing fresh approaches to endangered species recovery.

Clarke, David. 1997. "Brownfields," *Environmental Encyclopedia*. Detroit, MI: Gale Research. An introduction to the problems surrounding recovery of urban superfund sites.

Cortner, H. J. and M. A. Moote. 1999. The Politics of Ecosystem Management. Island Press. A review of the problems and promises of ecosystem management.

Cox, George W. 1999. *Alien Species in North America and Hawaii*. Island Press. An overview of invasive species and how we might stop their spread.

Curtis, T. P., Sloan, W. T. & Scannell, J. W. 2002. "Estimating prokaryotic diversity and its limits". *Proceedings of the National Academy of Sciences USA*, doi:10.1073/pnas. 142680199. There could be more species of bacteria in your back yard than in all the world's oceans, say UK researchers.

Daehler, C.C., et al. 2004. "A Risk-Assessment System for Screening Out Invasive Pest Plants from Hawaii and Other Pacific Islands." *Conservation Biology* 18 (2): 360-369. A screening system can determine which exotic species are most problematic. Daszak P, et al. 2000. "Emerging infectious diseases of wildlife threats to biodiversity and human health." *Science* 287: 443–49. Ecosystem modifications facilitate disease emergence.

Derr, M. 1992. "Raiders of the Reef," *Audubon* 94 (2): 48-52. Aquarists bring pieces of the world's coral reefs into their homes but are destroying the resource.

Doak, D.F., Bigger, D., Harding, E.K., Marvier, M.A., O'Malley, R.E., Thomson, D. 1998. The Statistical Inevitability of Stability-Diversity Relationship in Community Ecology. The American Naturalist, 151 (3): 264-277 March 1998

Dobson, A.P., et al. 1997. "Geographic Distribution of Endangered Species in the United States," *Science* 275:550- Geographic distribution data for endangered species in the United States are used to locate "hot spots" of threatened biodiversity.

Dobson, A.P., et al. 1997. "Hopes for the Future: Restoration Ecology and Conservation Biology," *Science* 277 (5325): 515-522. Current issues in restoration and conservation.

Drechsler, M., and M. A. Burgman. 2004. "Combining population viability analysis with decision analysis." *Biodiversity and Conservation* 13: 115-139. Calculating minimum viable population size gives us direction in endangered species management.

Duffey, E. 2001. "Introduced pest species and biodiversity conservation in New Zealand" *Biological Conservation* 99 (1): 1-3. Introductory article in a special issue devoted to exotic species and ecological restoration in New Zealand.

Eaton, Joe. 2003 "Tower Kill." *Earth Island Journal* 17 (4): 32 - 35. Collisions with transmission towers and tall buildings kill millions of birds a year. Changing the lights may be a simple answer.

Eaton, Joe. 2004. "Silent towers, empty skies." *Earth Island Journal* 18 (4): 30-33. Vultures, once common in India, are disappearing, but no one knows why.

Ebersole, J. L., et al. 1997. "Forum: Restoration of Stream Habitats in the Western United States: Restoration as Reexpression of Habitat Capacity," *Environmental Management* 21(1):1-14.

Ellis, Richard. 2003. *The Empty Ocean: Plundering the World's Marine Life*. Island Press. Most of us aren't aware of the losses of marine resources.

Ehrenfeld, Joan G. 2000. "Defining the limits of restoration: the need for realistic goals." *Restoration Ecology* 8: 2-9. By looking at three different levels of natural systems the author attempts to lay out a foundation for goals for restoration projects.

Ehrlich, Paul and Walker, Brian H. 1998. "Rivets and Redundancy." *Bioscience* 48(5): p. 387 May 1998

Ehrlich, P. and Ehrlich, A. 1981. *Extinction: The Causes and Consequences of the Disappearance of Species*. Random House,

Epstein, N., et al. 2004. "Alleviating impacts of anthropogenic activities by traditional conservation measures: can a small reef reserve be sustainedly managed?" *Biological Conservation*. 121 (2): 243-255. In small marine preserves, mere enclosure may not be enough to preserve communities; active restoration approaches, such as the "gardening concept" may be needed.

Fa, J. E., et al. 2004. "Hunting vulnerability, ecological characteristics and harvest rates of bushmeat species in afrotropical forests" *Biological Conservation* 121 (2): 167-176. Data from 36 sites in 7 African countries show unsustainable harvest of a number of species.

Falk, Donald. A. et al. 1996. *Restoring Diversity*. Island Press. Strategies for reintroduction of endangered plants.

Ferrer, Miguel and Jan Jose Negro. 2004. "The Near Extinction of Two Large European Predators: Super Specialists Pay a Price." *Conservation Biology*. 344 – 349. The Spanish Imperial Eagle and Iberian lynx are examples of how specialists are endangered.

Festa-Bianchet, Marco and Marco Apollonio (eds). 2003. *Animal Behavior and Wildlife Conservation*. Island Press. Shows how knowledge of animal behavior can help in conservation.

Fujiwara, Masami & Hal Caswell "Demography of the endangered North Atlantic right whale" *Nature* 414: 537-541 (29 November 2001). Increasing mortality rates among the 300 remaining members of the North Atlantic population of Right Whales may indicate a bleak future for the species.

Gaines, Charles L. 2001. "Swimming Upstream." *Audubon* 103 (6): 48-57. A profile of Wilf Carter and his efforts to save the Atlantic salmon.

Gibbs, W. Wayt. 2001. "On the Termination of Species." *Scientific American* 285 (5): 40-49. Ecologists warning of an ongoing mass extinction are largely being ignored. What can we do about it?

Gilchrist, H. G. and M. L. Mallory. 2004. "Declines in abundance and distribution of the ivory gull (*Pagophila eburnea*) in Arctic Canada" *Biological Conservation* 121 (2): 303-309. The ivory gull spends its entire life around the edge of the Arctic pack ice. This study records an 80% decline in this rare species between 2002 and 2003. The reasons for the decline are unknown, but pollution and climate change are possibilities.

Gerde, Ivar et al. 2004. "Fine-scale diversity and rarity hotspots in northern forests." *Conservation Biology* 18 (4): 1032-1042. Identifying biodiversity hotspots based on species richness is less effective than hotspots based on rarity.

Gorke, Martin. 2004. *The Death of Our Planet's Species: A Challenges to Ecology and Ethics*. Island Press. Argues for a biocentric view of nature.

Graham, Frank. 2003. "Where Wildlife Rules." *Audubon* 105 (2): 40-49. Lead article in a special series on the centennial of the U.S. wildlife refuge system.

Greenpeace. 1996. "The Truth about Tuna and Dolphins," *Greenpeace Quarterly* 1 (3): 6-8. The "dolphin-safe" label isn't so safe after all.

Grumbine, R. Edward. 1992. *Ghost Bears*. Island Press. An excellent exploration of the biodiversity crisis.

Grumbine, R. Edward. 1997. "Reflections on 'What is Ecosystem Management'," *Conservation Biology* 11(1):41-47. A review of the dominant themes in ecosystem management and the issues faced by professions in the field.

Guha, Ramachandra. 1997. "The Authoritarian Biologist and the Arrogance of Anti-Humanism: Wildlife Conservation in the Third World," *The Ecologist* 27 (1): 14-20. Are environmentalism and conservation biology extensions of First World hegemony?

Hadidian, John, et al., eds. 1997. *Wild Neighbors: The Humane Approach to Living with Wildlife.* Fulcrum Publishing. Wildlife can coexist with people if we give them some room.

Hartley, S., and W. E. Kunin. 2003. Scale Dependency of Rarity, Extinction Risk, and Conservation Priority. *Conservation Biology* 17: 1559-1570.

Helvarg, David. 2003. "The last fish." *Earth Island Journal* 18(1):26-30. America's fish stocks are crashing faster than Wall Street stocks last July, mostly for the same reason: The sea lions are guarding the salmon pens.

Hemley, G. 1995. "CITES: how useful a tool for wildlife conservation?" *Wildlife Society Bulletin* 23: 635-639. Have international treaties protected wildlife?

Higgs, Eric S. 1997. "What is Good Ecological Restoration?" *Conservation Biology* 11 (2): 338-348. Defining good restoration involves ethical as well as technical decisions.

Holing, Dwight. 1997. "Close Encounters," *The Amicus Journal* 19 (2): 20-26. Proposals for a sea salt extracting facility in Laguna San Ignacio threaten a major calving site for the Pacific Gray Whale.

Holling, Crawford S. 1986. "The Resilience of Terrestrial Ecosystems: Local Surprise and Global Change." In: *Sustainable Development of the biosphere*, pp 292-317. Clark WC, Munn RE eds. 1986

Hosansky, David. 2000. "Mass Extinction" *CQ Researcher*. Washington, DC: Congressional Quarterly. September 15, 2000. We are undergoing a sixth mass extinction of biological diversity. This time, humans are the cause.

Houlahan, J.E., Findlay, C.S., Schmidt, B.R. Meyer, A.H. & Kuzmin, S.L. 2000. Quantitive evidence for global amphibian population declines. *Nature* 404: 752-755 (2000). Worldwide, amphibian numbers are in decline.

Huber, Harald, et al. 2002. "A new phylum of Archaea represented by a nanosized hyperthermophilic symbiont." *Nature* 417: 63–67 (2 May 2002). A newly discovered organism from the inhospitable environs of a submarine hot vent could even be a surviving relative of the earliest forms of microbial life.

Huntzinger, M. 2003. "Effects of fire management practices on butterfly diversity in the forested western United States." *Biological Conservation* 113 (1): 1-12. Fire suppression has reduced habitat for some rare and endangered species.

Irigoien, Xabier, et al. 2004. "Global biodiversity patterns of marine phytoplankton and zooplankton." *Nature* 429 (6994): 863-867. Contrary to expectations, there doesn't seem to be a relation between phytoplankton diversity and zooplankton diversity.

Isenberg, Andrew C. 2001. *The Destruction of the Bison : An Environmental History, 1750-1920.* Cambridge University Press. Examines the ecosocial factors that led to the destruction of 30 million American bison in the late 19th century.

Ivereigh, Djuna. 2003. "In the Bull's-eye of Biodiversity." *Nature Conservancy* 53 (3): 24-33. An expedition to Indonesia's Raja Ampat islands reveals rich biodiversity.

Jackson, Jeremy et al. 2001. "Historical overfishing and the recent collapse of coastal ecosystems." *Science* 293: 629-638. Commercial fish stocks nearly everywhere in the world are in trouble.

Jacobson, Susan and Susan Marynowski. 1997. "Public Attitudes and Knowledge about Ecosystem Management," *Conservation Biology* 11 (3): 770-781. This study found the general public to lack basic ecological knowledge and to hold neutral to slightly positive attitudes toward ecosystem issues.

Jeffries, Michael. 1997. *Biodiversity and Conservation*. Routledge Press. An introductory guide through the maze of interdisciplinary themes that encompass the concept of "biodiversity."

Jenkins, M. 2003. "Prospects for biodiversity." *Science* 302: 1175-1177. Part of a special issue on the state of the planet.

Jones, A.G., et al. 2003. "A review of conservation threats on Gough Island: a case study for terrestrial conservation in the Southern Oceans." *Biological Conservation* 113 (1): 75-87. A case study in island biogeography.

Kappelle, M., et al. 1999. "Effects of climate change on biodiversity: a review and identification of key research issues." *Biodiversity and Conservation* 8: 1383-1397. Changing climates are likely to have devastating effects on many species.

Keith, D.A. and M.A. Burgman. 2004. "The Lazarus effect: can the dynamics of extinct species lists tell us anything about the status of biodiversity?" *Biological Conservation* 117 (1): 41-48.

Kerr, Jeremy. 1997. "Species Richness, Endemism, and the Choice of Areas for Conservation," *Conservation Biology* 11(5):1094-1100. A study conducted to determine the usefulness of umbrella species in conserving biodiversity.

Knight, Richard L. 1996. "Aldo Leopold, the Land Ethic, and Ecosystem Management," The *Journal of Wildlife Management* 60:471-474. A discussion of ecosystem management illustrated with quotations from Aldo Leopold and his concept of a "land ethic."

Krajick, Kevin. 1997. "Rise of the Snow Geese," *Audubon* 99 (3): 70-77. Geese are thriving in the United States and overwhelming their Arctic nesting grounds.

Lawton, John H. and Robert May (eds). 1995. *Extinction Rates*. Oxford University Press. Experts calculate current and historic rates of species extinction.

Lehman, Clarence L. and David Tilman. 2000. "Biodiversity, Stability, and Productivity in Competitive Communities." *The American Naturalist* 156: 534-552. An important theoretical explanation of diversity and stability.

Lentfer, Hank and Carolyn Servid (eds.) 2001. *Arctic Refuge A Circle of Testimony* Minneapolis, MN: Milkweed Press. A compilation of essays by leading environmental authors about the Arctic National Wildlife Refuge.

Leopold, Aldo. 1933. *Game Management*. Scribner's. The first textbook of wildlife management published in America. A still useful classic by one of America's greatest naturalists.

Levin, Simon Asher (ed). 2001. *Encyclopedia of Biodiversity*. Academic Press. Everything you might like to know about biodiversity.

Lichatowich, Jim. 1999. *Salmon Without Rivers: A History of the Pacific Salmon Crisis*. Island Press. A fisheries biologist examines the salmon crisis in the Pacific Northwest.

Liu, Jianguo, et al. 1999. "A Framework for Evaluating the Effects of Human Factors on Wildlife Habitat: The Case of Giant Pandas" *Conservation Biology* 13 (6): 1360-1370.

Lockwood, Jeffrey A. 2003. "Invasion of the Dollar Snatchers: The Aliens Have Arrived and We Are Paying the Price." *BioScience:* Vol. 53, No. 1, pp. 99-100. A review of *A Plague of Rats and Rubbervines: The Growing Threat of Species Invasions* by Yvonne Baskin. Island Press, Shearwater Books, Washington, DC, 2002.

Lopez, Barry Holstun. 1978. *Of Wolves and Men*. New York : Charles Scribner's Sons. A great book about wolves and humans.

Lorbiecki, M. 1996. *A Fierce Green Fire*. Helena, MT: Falcon Press. An illustrated biography of Aldo Leopold.

Luoma, Jon R. 1997. "Catfight," *Audubon*⁹⁹ (4) 88-94. Feral cats are dining on birds and other small wild animals by the millions.

Lynn, William. S. 1994. "Zoos," in *Environmental Encyclopedia*. W. Cunningham, et al., eds. Gale Research. A concise summary of the history, philosophy, and operation of zoos.

MacArthur, R. 1955. "Fluctuations of Animal Populations, and a Measure of Community Stability." *Ecology* 36 (3): 533-536

MacArthur, R. H., and E. O. Wilson. 1963. "An equilibrium theory of insular zoogeography." *Evolution* 17: 373-387. The classic study of island biogeography and one of the most influential papers in all of ecology.

MacArthur, Robert H. and E. O. Wilson. 2001. *The Theory of Island Biogeography*. Princeton Univ. Press. A reissue of their 1963 article.

MacKay, Richard. 2002. *The Penguin Atlas of Endangered Species*. Penguin Books. An indespensable resource for locating and identifying endangered species.

MacNally, R. and A.F. Bennett. 1997. "Species Specific Predictions of the Impact of Habitat Fragmentation: Local Extinctions of Birds in the Box-Ironbark Forests of Central Victoria, Australia," *Biological Conservation* 82 (2): 147-156. An example of the effects of habitat destruction and fragmentation on the conservation of the world's biodiversity.

Maehr, David. 1997. *The Florida Panther: Life and Death of a Vanishing Carnivore*. Island Press. A comprehensive review of the science and politics of protecting this rare predator.

Majerus, Mark. 1997. "Restoration of Disturbances in Yellowstone and Glacier National Parks," *Journal of Soil and Water Conservation* 52(4):232-236. A good summary of specific restoration efforts in our national parks.

Malakof, David. 2001. "Faulty Towers." *Audubon* 103 (5): 78-83. Each year, millions of birds die from collisions with cell-phone and TV towers.

Mares, M. A. 1992. "Neotropical Mammals and the Myth of Amazonian Biodiversity," *Science* 255: 967-970. Argues that while trees and insects are abundant in the Amazon, for some taxa deserts or grasslands have greater biodiversity.

May, R. M. 1992. "How Many Species Inhabit the Earth?" *Scientific American* 267 (4): 42-50. A thoughtful discussion of biodiversity and the problem of species identification.

Matteson, S. W., et al. 1999. "Changes in the status, distribution, and management of Double-crested Cormorants in Wisconsin". In USDA Tech. Bull. No. 1879. Symposium on Double-crested Cormorants: Population Status and Management Issues in the Midwest. P. 27-46. December 1999. Discusses the causes and effects of a population explosion of cormorants in the Great Lakes.

Mauchamp, A. 1997. "Threats from Alien Plant Species in the Galapagos Islands," *Conservation Biology* 11 (1): 260-263. An example of the effects introduced species have on endemic flora and fauna.

May, Robert M. 1988. "How many species are there on earth?" *Science* 241: 1441-1449. A summary of research up to the time on biodiversity.

May, Robert M. 1972. "Will a Large Complex System be Stable?" *Nature* 238: 413-414. 18 August, 1972. An influential article that argued from mathematical grounds that complexity isn't necessarily linked to stability.

McIntyre, Rick (ed). 1995. *War Against the Wolf: America's Campaign to Exterminate the Wolf.* Voyageur Press. A collection of documents from 1630 to 1995 about attitudes towards wolves.

McCullough, Dale R., ed. 1996. *Metapopulations and Wildlife Conservation*. Island Press. Metapopulation theory is an important development in both conservation biology and wildlife management.

Meyers, Ransom A. and Boris Worm. 2003. "Rapid worldwide depletion of predatory fish communities." *Nature* 423: 280-283. Up to 90% of top marine predator species have been removed by overfishing.

Miller, J., et al. 2002. "The Endangered Species Act: dollars and sense?" *BioScience* 52(2): 163-168. Despite claims of critics, endangered species protection has not been ruinously expensive.

Mitchell R. J., R. H. Marrs, M. G. LeDuc, and M. H. D. Auld. 1999. "A study of the restoration of heathland on successional sites: changes in vegetation and soil chemical properties." *Journal of Applied Ecology* 36: 770-783. Discusses ways in which vegetation changes affect soils.

Mladenoff, David J., et al. 1997. "Causes and Implications of Species Restoration in Altered Ecosystems," *Bioscience* 47:21-31. A look at the recovery of the gray wolf, the reasons for its current success, and implications for further management needs.

Mooney, Harold A. and Richard J. Hobbs(eds). 2000. *Invasive Species in a Changing World*. Sponsored by the Scientific Committee on Problems of the Environment, this volume looks at the problem of introduced species.

Moore, J. L. et al. 2001. "The distribution of cultural and biological diversity in Africa". *Proceedings of the Royal Society B*, published online doi: 10.1098/rspb.2002.2075 (2001). Cultural and biological diversity are highest in the same places.

Morrison, Michael L. 2002. *Wildlife Restoration: Techniques for Habitat Analysis and Animal Monitoring*. Island Press. Links restoration ecology and wildlife management.

Mulvaney, Kieran. 2003. *The Whaling Season: An inside account of the struggle to stop commercial whaling*. Island Press. A gripping story of activists trying to stop whale hunting.

Myers, Norman. 2003. "Biodiversity Hotspots Revisited." *BioScience* 53 (10): 916-17. Although it doesn't represent all species, the biodiversity hot spot concept is useful.

Myers, N., et al., 2000. "Biodiversity hotspots for conservation priorities." *Nature* 403, 853-858. A few species-rich areas contain 44% of all higher plants and 35% of all land vertebrates in only 1.4% of the earth's land surface.

Nassauer, Joan Iverson. 1997. *Placing Nature: Culture and Landscape Ecology*. Island Press. An excellent compilation of reflections on landscape ecology by from a wide variety of perspectives.

Niller, Eric. 2001."The Trouble with Turtles." *Scientific American* 285 (2): 80-85, Despite efforts to protect beach nesting sites and reduce fishing by-catch mortality, green turtle populations continue to decline.

Nogales, M., et al. 2004. "A Review of Feral Cat Eradication on Islands." *Conservation Biology*. 18 (2): 310 – 319. Feral cats have been removed from at least 48 islands over the past 30 years, allowing populations of indigenous animals to recover.

Noss, R.F., and Cooperrider, A.Y. 1994. *Saving nature's legacy: protecting and restoring biodiversity*. Island Press. A classic exploration of the value of biodiversity.

Noss, Reed F., Michael A. O'Connell, and Dennis D. Murphy. 1997. *The Science of Conservation Planning: Habitat Conservation Under the Endangered Species Act.* Island Press. A framework and guidelines for applying science to regional habitat-based conservation planning by three of the nation's leading conservation biologists.

O'Toole, Lorcan, et al. 2002. "Re-introduction of the golden eagle into the Republic of Ireland" *Biological Conservation* 103 (3): 303-312. A proposal to reintroduce eagles after nearly a century of absence.

Olson, David, et al. 1998. *Freshwater Biodiversity of Latin America and the Caribbean: A Conservation Assessment*. World Wildlife Fund. A regional conservation plan for freshwater biodiversity in Latin America and the Caribbean.

Olsen, P. E. et al. 2002. "Ascent of dinosaurs linked to iridium anomaly at the Triassic-Jurassic boundary". *Science*, 296, 1305 - 1307, (2002). Evidence suggests a huge asteroid smashing into Earth may have let dinosaurs take over the Earth 135 million years before another one wiped them out,

Owen, David. 2004. *The Tasmanian Tiger: The Tragic Tale of How the World Lost Its Most Mysterious Predator.* Johns Hopkins Press.

Packard, Stephen and Cornelia F. Mutel. 1997. *The Tallgrass Restoration Handbook*. Island Press. Practical hands-on manual for restoring prairies, savannas, and woodlands.

Palmer, T. 1999. *The Heart of America*. Island Press. A landscape approach to ecological and conservation issues.

Peery, M.Z., et al. 2004. "Applying the declining population paradigm: diagnosing causes of poor reproduction in the marbled murrelet." *Conservation Biology* 18 (4): 1088-1098. A multiple factor approach can help understand population declines in a rare species.

Petersen, David. 2000. *Heartsblood: Hunting, Spirituality, and Wildness in America*. Island Press. An exploration on the evolutionary, philosophical, and religious history of hunting.

Pipkin, J. 1996. "Biological Diversity Conservation: A Public Policy Perspective," *Environmental Management* 20(6):793-797. Shows how maintenance of biological diversity is important for utilitarian reasons, quality of life considerations, and because biodiversity is important to sustainable regional economies.

Plotkin, Mark J. 2001. *Medicine Quest: In Search of Nature's Healing Secrets*. Penguin/Putnam Pub. A follow up to *Tales of a Shaman's Apprentice*:

Poiani, K., B.D. Richter, M.G. Anderson and H.E. Richter. 2002. "Biodiversity Conservation at Multiple Scales; Functional Sites, Landscapes, and Networks." *Bioscience* 50 (2): 133-146.

Polinger Foster, Karen. 1999. "The Earliest Zoos and Gardens," *Scientific American:* 281(1): 64-71. Explores the origins of zoos and botanical gardens.

Power, Haney A. 1996. "Adaptive Management for Sound Ecosystem Management," *Environmental Management* 20 (6): 879-886. Emphasizes the importance of research and monitoring in management.

Pulliam, H.Ronald and Bruce Babbitt. 1997. "Science and the Protection of Endangered Species," *Science* 275: 499-500. An important analysis of the ESA by the Secretary of the Interior.

Pyare, S and J. Berger. 2003. "Beyond demography and delisting: ecological recovery for Yellowstone's grizzly bears and wolves." *Biological Conservation* 113 (1): 63-73. What will it take to maintain healthy populations of predators in the park?

Quammen, David. 2003. *Monster of God: The man-eating predator in the jungles of history and the mind*. Norton & Co. A fascinating description of dangerous predators and the people who live with them.

Radetsky, P. 1993. "Back to Nature," *Discover* 15 (1): 34-35. Discusses the difficulty of reintroducing captive-bred animals back into the wild.

Rawland, Anne. 1997. "Make-way for Tallgrass Prairie," *Wildlife Conservation* 100: 20-25. Description of a prairie restoration project at Walnut Creek National Wildlife Refuge in Iowa.

Redford, Kent H. and Jane A. Mansour, eds. 1996. *Traditional Peoples and Biodiversity Conservation in Large Tropical Landscapes*. Island Press. Through case studies of projects in Latin America, this volume describes way in which environmental groups have worked with indigenous peoples to preserve nature.

Regan, Helen M.et al. 2001. "The Currency and Tempo of Extinction." *American Naturalist* 157 (2): 1-10. Experts attempt to calculate current rates of species extinction.

Reichow, M. K. et al. 2002. "40Ar/39Ar dates on basalts from the West Siberian Basin: doubled extent of the Siberian flood basalt province". *Science*, 296: 1846 – 1849.. Massive lava flows in Siberia 250 million years ago were at least twice as large as previously thought, and may have caused the biggest extinction the world has ever seen.

Rensberger, Boyce. 1999. "Biodiversity: The Final Countdown". *Audubon* 101 (6): 64-69. An interview with E. O. Wilson about threats to biodiversity.

Ricketts, Taylor H., et al. 1999. *Terrestrial Ecoregions of North America: A Conservation Assessment*. Island Press. A valuable analysis from the World Wildlife Fund of the state of biodiversity in North America.

Ricketts, Taylor H., Gretchen C. Daily and Paul R. Ehrlich 2002. "Does butterfly diversity predict moth diversity? Testing a popular indicator taxon at local scales" *Biological*

Conservation, Vol. 103 (3) (2002) pp. 361-370. This study found no correlation between moth and butterfly diversity across 19 sites sub-alpine sites in Colorado.

Riley, A. L. 1998. Restoring Streams in Cities. Island Press. A guide for planners, policymakers, and citizens for restoring urban streams.

Robbins, Elaine. 2003. "How Did the Grizzly Cross the Road?" *Sierra* 88 (4): 52-56. A network of bridges, underpasses, and corridors allow animals to migrate safely.

Roberts, C. M., et al. 2001. "Effects of marine reserves on adjacent fisheries." *Science*, 294: 1920 - 1923 (2001). Setting aside protected havens improves fishing in adjacent areas.

Roberts, C.M., *et al.* 2002. "Marine biodiversity hotspots and conservation priorities for tropical reefs." *Science* 295 (Feb. 15): 1280-1284. Marine biodiversity needs protection as much or more than terrestrial species.

Robinson, W. D., et al. 2004. "Distribution of Bird Diversity in a Vulnerable Neotropical Landscape." *Conservation Biology* 18 (2): 510-519. An overview of the distribution of forest bird diversity in Panama based on 10 years of inventories.

Rodrigues, A. S. L., et al. 2004. "Effectiveness of the global protected area network in representing species diversity." *Nature* 428: 640-643. Although protected areas now cover 11.5% of the world's land surface, they fail to safeguard many rare species.

Roe, E. 1996. "Why Ecosystem Management Can't Work Without Social Science: An Example from the California Northern Spotted Owl Controversy," *Environmental Management* 20 (5): 667-674.

Ruiz, Gregory M. and James T. Carlton. 2004. *Invasive Species: Vectors and Management Strategies*. Island Press. Information on the spread of invasive species and how they can be controlled.

Ryskin, G. 2003. "Methane driven oceanic eruptions and mass extinctions." *Geology* 31: 737-740, (2003). A massive methane explosion frothing out of the world's oceans 250 million years ago caused the Earth's worst mass extinction, claims a US geologist.

Saterson, K.A., et al. 2004. "Disconnects in Evaluating the Relative Effectiveness of Conservation Strategies." *Conservation Biology* 2004 18 (3): 597-605. Institutions striving to conserve biological diversity spend millions of dollars on initiatives worldwide but rarely define, measure, and communicate conservation success.

Schneider, Stephen H. and Terry Root (eds). 2001. *Wildlife Responses to Climate Change*. Island Press. Eight case studies of the effects of climae change.

Scholtz, G. et al. 2003. "Parthenogenesis in an outsider crayfish". *Nature*, 421: 806 810 (2003). First self-cloning crayfish could pose risk to European cousins.

Shaw, Philip. 2004. "Estimating local extinction rates over successive time-frames" *Biological Conservation* 121 (2): 281-287. There are many claims about current rates of extinction but little data. A 100-year record of Scottish fauna gives an estimate about baseline rates of extinction.

Shiva, Vandana. 1997. *Biopiracy: The Plunder of Nature and Knowledge*. South End Press. Condems the commercialization of science and the commodification of nature

Shiva, V and R. Holla-Bhar. 1993. "Intelectual piracy and the neem tree." *The Ecologist* 23 (6): 223-228. Do pharmaceutical companies owe royalties for bioresources?

Simerloff, Daniel, et al. 1997. *Strangers in Paradise: Impact and Management of Nonindigenous Species in Florida*. Island Press. Metapopulation theory is an important development in both conservation biology and wildlife management.

Simpson, Sarah. 2001. "Fishy Business." *Scientific American* 285 (1): 82-89. Despite a global protest, cyanide fishing for tropical fish continues to destroy coral reefs.

Singer, Natasha. 2004. "See the Last Clouded Leopard." *Outside* XXIX (5): 87-97. An undercover environmentalist pursues poachers in Southeast Asia.

Soule, Michael. E. and Gordon H. Orians.(eds) 2001. *Conservation Biology: Research Priorities for the Next Decade*. Island Press. A report from a group of leaders in Conservation Biology about future directions of the field.

Soule, M.E., Estes, J.A., Berger, J, and C. Martinez del Rio. 2003. Ecological effectiveness: conservation goals for interactive species. Conservation Biology 17 (5): 1238-1250.

Stap, Don. 2002. "Living on the Edge." Audubon 104 (2): 56 - 62. With wetlands declining, shorebirds are in trouble. How can we restore their habitat?

Stein, Bruce A. et al. 2000. *Precious Heritage: the Status of Biodiversity in the United States*. Oxford Univ Press. A report from the Nature Conservancy on the state of biodiversity in the United States.

Stein, Bruce A, 2001. "A Fragile Cornucopia: Assessing the Status of U.S. Biodiversity." *Environment*, September 2001, 43 (7): 11-23. A national status assessment.

Sugal, Cheri. 1997. "Elephants and People on a Crowded Continent," *World Watch Journal* 10(3):18-27. The costs of sharing habitat.

Swanson, Timothy. 1997. *Global Action for Biodiversity: An International Framework for Implementing the Convention on Biological Diversity*. Island Press. A history of the

movements leading up to the Convention on Biological Diversity at the Rio Earth Summit in 1992.

Tait, J. et al. 2000. "How Are We Managing? Auditing the Health of Australia's Ecosystems." *Ecosystem Health* 6 (2):149—163. An important review of Australia's national land and water audit.

Tattersall, I. 1993. "Madagascar's Lemurs," *Scientific American* 268 (1): 110-108. The lemur's diverse Madagascaran habitats are disappearing fast and so are they. Unless hunting and deforestation cease all may be lost.

Tellez-Valdes, O., and P. DiVila-Aranda. 2003. "Protected Areas and Climate Change: a Case Study of the Cacti in the Tehuacan-Cuicatlan Biosphere Reserve, Mexico" *Conservation Biology* 17: 846-853. Many plants may not be able to adapt to sudden climate change.

Tempel, Douglas J. and R.J. Gutierrez. 2004. "Factors Related to Fecal Corticosterone Levels in California Spotted Owls: Implications for Assessing Chronic Stress. *Conservation Biology* 18 (2): 538-547. Proximity to roads seems to not be associated with higher stress levels in spotted owls.

Terborg, John. 1999. Requiem for Nature. Island Press. A classic in conservation biology.

Thiemann, G.W. & Wassersug, R.J. 2000. "Patterns and consequences of behavioral responses to predators and parasites in Rana tadpoles". *Biological Journal of the Linnean Society* 71, 513 - 528 (2000). Tadpoles that take cover near the bottom of ponds are sitting ducks for parasites, explaining, perhaps, some of the worldwide decline in amphibians.

Thomas, C.D., et. al. 2004. "Extinction risk from climate change. "*Nature* 427: 145-148. Analyzes effects of global climate change on biodiversity.

Thorbjarnarson, J. 1999. "Crocodile tears and skins: international trade, economic constraints, and limits to sustainable use of crocodilians." *Conservation Biology* 13 (3): 465-470. Crocodiles are imperiled by the trade in animal products.

Tilman, David. 2002. "The ecological consequences of changes in biodiversity: A search for general principles." *Ecology* 80: 1455-1474. An important summary of the debate over biodiversity and ecosystem stability.

Tilman, D. 1999. "Diversity and Production in European Grasslands," *Science* (US) 286: 1099-1100, November 5, 1999. Contrary to predictions from simple models, diversity can protect biological communities from disturbance.

Tilman, David and Peter Kareiva (eds). 1997. *Spatial Ecology*. Princeton Univ. Press. Biogeography and community ecology.

Tilman, David, et al. 1997. "The Influence of Functional Diversity and Composition on Ecosystem Processes," *Science* 277 (5330): 1300-1302. Field evidence that biodiversity is important in ecological stability and resilience.

Tilman, David 1996. "Biodiversity: Population vs. Ecosystem Stability." *Ecology* 77 (2): pp.350-363. In some systems diversity confers stability.

Tilman, David and Robert M. May (eds). 1982. *Resource Competition and Community Structure*. Princeton Univ. Press. A classic text on community ecology.

Tognelli, M. F. 2004. "Assessing the utility of indicator groups for the conservation of South American terrestrial mammals" *Biological Conservation* 121 (3): 409-417. Random sets of species work as well as indicator species for preserving biodiversity.

Treves, A. *et al.* 2004. "Wolf attack map predicts danger areas" *Conservation Biology*, 18: 114 – 125. GIS may help reduce assaults on domestic animals.

Van Buskirk, J. and Y. Willi. 2004. "Enhancement of Farmland Biodiversity within Set-Aside Land." *Conservation Biology* 18 (4): 987-995. Meta-analysis of previously published studies shows that land withdrawn from conventional production unequivocally enhances biodiversity in North America and Europe.

Van Driesche, Jason and Roy Van Driesche. 2000. *Nature Out of Place: Biological Invasions in the Global Age*. Explores the causes and consequences of invasions by alien species.

Vincent, Amanda C.J. 1996. *International Trade in Seahorses* Cambridge, UK: Traffic International. Describes the trade in these endangered animals.

Wang, Jinxiu, et al. 2004. "Participatory approach for rapid assessment of plant diversity through a folk classification system in a tropical rainforest: case study in Xishuangbanna, China." *Conservation Biology* 18 (4): 1139-1142. Indigenous knowledge can help identify native flora.

Wayne, Robert I. And John L. Gittleman. 1995. "The problematic red wolf." *Scientific American* 273 (1): 36-39. Is this rare animal a species or only a hybrid.

Webster, D. 1997. "The looting and smuggling and fencing and hoarding of impossibly precious, feathered and scaly wild things." *The New York Times Magazine*, February 16, 1997. A shocking look at the trade in wildlife.

Wemmer, L.C., U. Ozesmi, and F.J. Cuthbert. 2001. "A habitat-based population model for the Great Lakes population of the piping plover (Charadrius melodus)," *Biological Conservation* 99(2): 169-181. Using "fuzzy-logic" this model is able to make detailed predictions for the breeding success of a very small population of an endangered bird species.

Westley, F. R. and P. S. Miller. 2004. *Experiments in Consilience: Integrating Social and Scientific Responses to save Endangered Species*. Island Press. Combines humanities, social science and biology for solving complex environmental problems.

Whinam, J., et al. 2004. "Subantarctic hitchhikers: expeditioners as vectors for the introduction of alien organisms." *Biological Conservation* 121 (2): 207-219. Ecotourists and expeditioners can be a significant source of invasive organisms in pristine ecosystems.

Whitman, K., et al. 2004. "Sustainable trophy hunting of African lions". *Nature*, 428: 175 - 178 (11 Mar 2004). Killing the eldest males will protect lion populations.

Wille, C. 1993. "Riches from the Rainforest," *Nature Conservancy Annual Report* 43 (1): 10-12. Describes how "barefoot parataxonomists" are searching for "green gold" in Costa Rica.

Williams, Ted. 2002. "Wanted: More Hunters." *Audubon* 104 (2): 43-51. The U.S. whitetail deer population is out of control. Deer are starving and ecosystems are denuded. What's the solution?

Wilson, E. O. 1997. *Conserving the Earth's Biodiversity*. London: Blackwell Pub. This interactive CD-ROM explores biodiversity and conservation with one of the world's leading biologists.

Wilson, E. O. 1992. *The Diversity of Life*. Harvard University Press. A fascinating description of biodiversity by one of the world's leading field biologists.

World Conservation Union. 1996. *IUCN Red List of Threatened Animals*. Island Press. A comprehensive list of global endangered and threatened species.

Yam, Philip. 2003. "Shoot This Deer." *Scientific American* 288 (6): 38-43. A good description of the spread of chronic wasting disease among deer and elk.

Youth, Howard. 1997. "Neglected Elders," *World Watch Journal* 10(5):22-29. Why reptiles are in trouble.