Selected Bibliography: Ecological Restoration

by Dr. Kim D. Coder, University of Georgia

June 1997

Anderson P. 1995. Ecological restoration and creation: A review. Biological Journal of the Linnean Society. 56 (Suppl. A): 187-211.

Anderson TA; Kruger EL; Coats JR; Schepart BS. 1995. Rhizosphere microbial communities of herbicide tolerant plants as potential bioremediants of soils contaminated with agrochemicals. Bioremediation of pollutants in soil and water. Pp. 149-157. American Society for Testing and Materials (ASTM) (Philadelphia).

Aronson J; Floret C; Floc' h E le; Ovalle C; Pontanier R; Le Floc' h E. 1993. Restoration and rehabilitation of degraded ecosystems in arid and semi-arid lands: I. A view from the south. Restoration Ecology. 1:8-17.

Azar C; Holmberg J. 1995. Defining the generational environmental debt. Ecological Economics (Amsterdam). 14:7-19.

Baker WL. 1994. Restoration of landscape structure altered by fire suppression. Conservation Biology. 8: 763-769.

Baldwin, A. Dwight.; De Luce, Judith.; Pletsch, Carl. 1994. Beyond preservation : restoring and inventing landscapes. University of Minnesota Press, 280 p.

Beard JB; Green RL. 1994. The role of turfgrasses in environmental protection and their benefits to humans. Journal of Environmental Quality. 23: 452-460.

Berg DR. 1995. Riparian silvicultural system design and assessment in the Pacific Northwest Cascade mountains. Ecological Applications. 5:87-96.

Bijlmakers LL; Swart EOAM de; De Swart EOAM; Hosper SH (ed.); Gulati RD (ed.); Van Liere L (ed.); Rooijackers RMM. 1995. Large scale wetland restoration of the Ronde Venen, The Netherlands. Integrated water resources management. Selected Proceedings (Amsterdam, Netherlands, 26-29 September 1994). Water Science and Technology. 31:197-205.

Birks HJB. 1996. Contributions of Quaternary palaeoecology to nature conservation. Journal of Vegetation Science. 7:89-98.

Bonnicksen, T.M. 1994. Social and political issues in ecological restoration. Gen Tech Rep — Rocky Mountain Forest and Range Experiment Station, USDA Forest Service #247:108-114.



THE UNIVERSITY OF GEORGIA, THE UNITED STATES DEPARTMENT OF AGRICULTURE AND COUNTIES OF THE STATE COOPERATING THE COOPERATIVE EXTENSION SERVICE OFFERS EDUCATIONAL PROGRAMS, ASSISTANCE AND MATERIALS TO ALL PEOPLE WITHOUT REGARD TO RACE, COLOR, NATIONAL ORIGIN, AGE, SEX OR HANDICAP STATUS. A UNIT OF THE UNIVERSITY SYSTEM OF GEORGIA. AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION ORGANIZATION

University of Georgia Cooperative Extension Service Forest Resources Unit Publication FOR97-10

Borgegard SO; Rydin H. 1989. Utilization of waste products and inorganic fertilizer in the restoration of iron mine tailings. Journal of Applied Ecology. 26:1083-1088.

Botkin DB; Beveridge CE. 1997. Cities as environments. Urban Ecosystems 1(1):3-20.

Bowles, Marlin L.; Whelan, Christopher. 1994. Restoration of endangered species: Conceptual issues, planning, and implementation. Society for Ecological Restoration Conference (2nd Conference, 1990, Chicago, Ill.) Symposium on the Recovery and Restoration of Endangered Plants and Animals. 394 p.

Brinson MM; Rheinhardt R. 1996. The role of reference wetlands in functional assessment and mitigation. Ecological Applications. 6:69-76.

Brown VK; Gibson CWD; Haggar RJ (ed.); Peel S. 1994. Recreation of species rich calcarious grassland communities. Grassland management and nature conservation. Proceedings (joint meeting of British Grassland Society and the British Ecological Society) (Leeds University, 27 29 September 1993) Pp.125-136.

Burrows, F.J. 1984. Trees and forest restoration. Control of crop productivity / edited by C.J. Pearson. (Sydney Academic Press) p. 269-288.

Covington WW; DeBano LF. 1994. Sustainable ecological systems: Implementing an ecological approach to land management. (Proceedings of Conference, July 12-15, 1993, Flagstaff, Arizona). General Technical Report RM-247. USDA Forest Service. Pp. 363.

Cudlinova E; Lapka M. 1994. The potential role of small scale private farmers in the ecological restoration of the Bohemian landscape. Ecological Economics Amsterdam. 11: 179-186.

Curry, J.P.; Good, J.A. 1992. Soil faunal degradation and restoration. Adv Soil Sci. (Springer Verlag) p. 171-215. In the series: Soil restoration / edited by R. Lal and B.A. Stewart.

DellaSala, D.A.; Olson, D.M.; Barth, S.E.; Crane, S.L.; Primm, S.A. 1995. Forest health: moving beyond rhetoric to restore healthy landscapes in the inland Northwest. Wildl Soc Bull. (Bethesda, Md) Fall 1995. v. 23 (3) p. 346-356.

Diggelen R van; Grootjans AP; Wierda AK; Van Diggelen R. 1995. Hydro ecological landscape analysis: a tool for wetland restoration. Zeitschrift fur Kulturtechnik und Landentwicklung. 36: 125-131.

Egan, D. 1990. Historic initiatives in ecological restoration. Restoration Manage Notes. Winter 8 (2):83-90.

Ehrlich KF; Cantin MC; Turcotte A; Etnier C (ed.); Guterstam B (ed.). 1991. A diagnostic and ecological approach to the purification of sewage, toxic substances, and water bodies. Ecological engineering for wastewater treatment. Proceedings (Stensund Folk College, Sweden, March 24-28, 1991). Pp. 95-109.

Elmore W; Kauffman B; Vavra M (ed.); Laycock WA (ed.); Pieper RD. 1994. Riparian and watershed systems: degradation and restoration. Ecological implications of herbivory in the west. Pp. 212-231. Proceedings (42nd annual American Institute of Biological Sciences, Society for Range Management, Denver, CO).

Falk DA; Olwell P. 1992. Scientific and policy considerations in restoration and reintroduction of endangered species. Rhodora. 94:287-315.

Fennessy MS; Mitsch WJ. 1989. Design and use of wetlands for renovation of drainage from coal mines. Ecological Engineering: An Introduction To Ecotechnology. Pp.231-253 (John Wiley and Sons).

Ferris Kaan R. 1995. The ecology of woodland creation. (John Wiley & Sons) 244 pp.

Friedman JM; Scott ML; Lewis WM Jr. 1995. Restoration of riparian forest using irrigation, artificial disturbance, and natural seedfall. Environmental Management. 19:547-557.

Frumerie G. 1993. Efficient, sustainable and ecologically sound forestry. Proceedings (Elmia Wood, 1993). Report SkogForsk. No. 5. 149 pp..

Galatowitsch SM; Van der Valk AG. 1994. Restoring prairie wetlands: An ecological approach. (Iowa State University Press) 246 pp.

Gradwohl J; Greenberg R. 1988. (Chapter 4) Tropical forest restoration. Saving the tropical forests. Pp.163-189. (Earthscan Publications, London).

Hammar, Conrad Harold; Westveld, R. H. 1937. Forest restoration in Missouri. Bulletin (of the University of Missouri Agricultural Experiment Station #392 (Columbia, Mo) 153 p.

Hanif M; Subhan F; Megahan WF; Ziemar RR (ed.); O' Loughlin CL (ed.); Hamilton LS (ed.). 1990. Watershed restoration reduces runoff and sedimentation from comparative watersheds in Pakistan's subtropical scrub zone. Research needs and applications to reduce erosion and sedimentation in tropical steep lands. IAHS Publication. No. 192. Pp. 374-382.

Henry CP; Amoros C. 1995. Restoration ecology of riverine wetlands: I. A scientific base. Environmental Management. 19: 891-902.

Henry CP; Amoros C; Giuliani Y. 1995. Restoration ecology of riverine wetlands: II. An example in a former channel of the Rhone River. Environmental Management. 19: 903-913.

Hey DL; Cardamone MA; Sather JM; Mitsch WJ. 1989. Restoration of riverine wetlands: the Des Plaines River Wetlands Demonstration Project. Ecological Engineering: An Introduction To Ecotechnology. Pp.159-183 (John Wiley and Sons).

Holland MM (ed.); Risser PG (ed.); Naiman RJ. 1991. Ecotones: The role of landscape boundaries in the management and restoration of changing environments. (Chapman & Hall) 142 pp.

Hornick SB; Parr JF. 1987. Restoring the productivity of marginal soils with organic amendments. American Journal of Alternative Agriculture. 2: 64-68.

Howell EA; Jordan WR III; Spellerberg IF (ed.); Goldsmith FB (ed.); Morris MG (ed.). 1991. Tallgrass prairie restoration in the North American Midwest. The scientific management of temperate communities for conservation. (31st symposium of the British Ecological Society, Southampton, 1989). Pp. 395-414.

Hughes, H. Glenn.; Bonnicksen, Thomas M. 1990. Restoration '89 : the new management challenge. First annual meeting of the Society for Ecological Restoration (Jan. 16-20, 1989, Oakland, CA) 593 p.

Huss Danell K; Lundmark JE. 1988. Growth of nitrogen fixing Alnus incana and Lupinus spp. for restoration of degenerated forest soil in northern Sweden. Studia Forestalia Suecica. No. 181. 20 pp.

Huss Danell K; Lundquist PO; Ekblad A; Winship LJ (ed.); Benson DR (ed.). 1989. Growth and acetylene reduction activity by intact plants of <u>Alnus incana</u> under field conditions. Selected papers from Seventh International Conference on <u>Frankia</u> and actinorhizal plants. Plant and Soil. 118:61-73.

Ingegnoli V. 1993. Landscape ecological approach to hilly basin restoration in Sicily. Landscape and Urban Planning. 24:1-4, 197-212.

Jackson LL; Fiedler PL (ed.); Jain SK. 1992. The role of ecological restoration in conservation biology. Conservation biology: The theory and practice of nature conservation, preservation, and management. Pp. 433-451.

Jarman, R.A. 1995. Ecological restoration: the end of status quo ism in the National Trust. Biol J Linn Soc. 56 (suppl.A):213-215.

Jasbir Singh. 1986. Restoration of soil fertility in successional plant communities at Idukki, Kerala. Acta Botanica Indica. 14:181-185.

Jordan WR III (ed.); Gilpin ME (ed.); Aber JD. 1990. Restoration ecology: A synthetic approach to ecological research. (Cambridge University Press) 342 pp.

Jordan WR III; Peters RL II; Allen EB. 1988. Ecological restoration as a strategy for conserving biological diversity. Environmental Management. 12:55-72.

Keddy PA; Drummond C. 1996. Ecological properties for the evaluation, management, and restoration of temperate deciduous forest ecosystems. Ecological Applications. 6:748-762.

Knowles OH; Parrotta JA. 1995. Amazonian forest restoration: an innovative system for native species selection based on phenological data and field performance indices. Commonwealth Forestry Review. 74:230-243, 265-266.

Kuijpers JWM; Hosper SH (ed.); Gulati RD (ed.); Van Liere L (ed.); Rooijackers RMM. 1995. Ecological restoration of the Rhine/Maas estuary. Integrated water resources management. Selected Proceedings (Amsterdam, Netherlands, 26-29 September 1994). Water Science and Technology. 31:187-195.

Lal, R. 1992. Restoring land degraded by gully erosion in the tropics. Adv Soil Sci. (Springer Verlag) p. 123-152. In the series: Soil restoration / edited by R. Lal and B.A. Stewart.

Lal, R.; Stewart, B.A. 1992. Need for land restoration. Adv Soil Sci. (Springer Verlag) p. 1-11. In the series: Soil restoration / edited by R. Lal and B.A. Stewart.

Lal, R.; Stewart, B.A. 1992. Research and development priorities for soil restoration. Adv Soil Sci. (Springer Verlag) p. 433-439. In the series: Soil restoration / edited by R. Lal and B.A. Stewart.

Larson DW. 1996. Brown's Woods: An early gravel pit forest restoration project, Ontario, Canada. Restoration Ecology. 4:11-18.

Lee, D.; Mileur, R.R.; Olsen, F.J.; Jones, J.H. 1987. The effects of herbage removal on the soil restoration process in the reclamation of surface mined spoil. Trans Ill State Acad Sci. (Springfield, IL) 80 (3/4):161-167.

Lenz R; Haber W. 1992. Approaches for the restoration of forest ecosystems in northeastern Bavaria. Ecological Modeling. 63:1-4, 299-317.

Lopoukhine, N. 1994. Ecological restoration of national parks: Proceedings of a symposium at the fourth annual conference of the Society for Ecological Restoration (Aug. 10-14, 1992, Waterloo, Ontario. 73 p.

Lowrance R; Hubbard RK; Vellidis G. 1995. Riparian forest restoration to control agricultural water pollution. Clean water Clean environment: 21st century team agriculture working to protect water resources. (Volume 3) Practices, systems & adoption. Proceedings from Kansas City, MO, 5-8 March, 1995). Pp.179-182.

Mann RB. 1988. Ten trends in the continuing renaissance of urban waterfronts. Landscape and Urban Planning. 16:177-179.

Markandya A; Pearce DW; Norton Griffiths M (ed.); Ryden P (ed.). 1989. Sustainable development: an economic perspective. IUCN Sahel studies. Vol.1. Pp.125-134. International Union for Conservation of Nature and Natural Resources (Gland, Switzerland).

Marchard M . 1988. Wetland management: A shared responsibility. Drylands, Wetlands, Croplands: Turning Liabilities Into Assets. Pp.17-33. Exchange of Environmental Experience Series Book #2, United Nations Environment Programme.

Martinez, D. 1994. Back to the future: ecological restoration, the historical forest, and traditional Indian stewardship. Proceedings (5th For Veg Manage Conference p. 121-146 in A Watershed Perspective on Native Plants, February 26, 1993, Olympia, Washington).

McBride JE; Voss RL; Ziemar RR (ed.); O' Loughlin CL (ed.); Hamilton LS (ed.). 1990. Ecological restoration of landslides in Macaya Biosphere Reserve, Haiti. Research needs and applications to reduce erosion and sedimentation in tropical steep lands. IAHS Publication. No. 192. Pp. 347-354.

McDonnell MJ; Pickett STA; Groffman P.; Bohlen P; Pouyat RV; Zipperer WC; Parmelee RW; Carreiro MM; Medley K. 1997. Ecosystem processes along an urban-to-rural gradient. Urban Ecosystems 1(1):21-36.

McPherson EG; Nowak D; Heisler G; Grimmond S; Souch C; Grant R; Rowntree R. 1997. Quantifying urban forest structure, function, and value: The Chicago urban forest climate project. Urban Ecosystems 1(1):49-62.

Mitsch, W.J.; Cronk, J.K. 1992. Creation and restoration of wetlands: some design consideration for ecological engineering. Adv Soil Sci. (Springer Verlag) p. 217-259. In the series: Soil restoration / edited by R. Lal and B.A. Stewart.

Mitsch WJ; Hosper SH (ed.); Gulati RD (ed.); Van Liere L (ed.); Rooijackers RMM. 1995. Restoration of our lakes and rivers with wetlands an important application of ecological engineering. Integrated water resources management. Selected Proceedings (Amsterdam, Netherlands, 26-29 September 1994). Water Science and Technology. 31: 167-177.

Mitsch WJ; Wilson RF. 1996. Improving the success of wetland creation and restoration with know how, time, and self design. Ecological Applications. 6:77-83.

Mladenoff DJ; White MA; Pastor J; Crow TR. 1993. Comparing spatial pattern in unaltered old growth and disturbed forest landscapes. Ecological Applications. 3:294-306.

Mock J. 1992. Flood control along the Rhine River by restoration of flood plain ecosystems. Proceedings 16th ICID European regional conference Vol.2. Ecological, technological and socio-economical impacts on agricultural water management. Pp.215-224.

Montagnini F; Fanzeres A; Vinha SG da; Da Vinha SG. 1994. Studies on restoration ecology in the Atlantic Forest region of Bahia, Brazil. International symposium on forest soils (Ciudad Guayana, Venezuela, 22-28 November 1992) Interciencia. 19:323-330,400-408.

Moran EF; Packer A; Brondizio E; Tucker J. 1996. Restoration of vegetation cover in the eastern Amazon. Ecological Economics (Amsterdam). 18:1, 41-54.

Musser, L.A. 1985. The forest cultivator: a soil restoration and site preparation tool. Proceedings of the National Silviculture Workshop: Successes in Silviculture. (Rapid City, South Dakota, May 13-16, 1985. p. 125-132.

Newman S; Grace JB; Koebel JW. 1996. Effects of nutrients and hydroperiod on Typha, Cladium, and Eleocharis: Implications for everglades restoring. Ecological Applications. 6:774-783.

Owens MK; Wallace RB; Archer SR. 1995. Landscape and microsite influences on shrub recruitment in a disturbed semi arid Quercus Juniperus woodland. Oikos. 74:493-502.

Pakianathan S; Liew CL. 1995. Ecological guidelines for irrigation, drainage and flood control projects. Proceedings of the national conference, Kuala Terenggaun, Malaysia, 13-17 June 1994.

Peterken, G.F.; Hughes, F.M.R. 1995. Restoration of floodplain forests in Britain. Forestry. (Oxford University Press) v. 68 (3) p. 187-202.

Peterken GF. 1991. Managing semi natural woods: a suitable case for coppice. Quarterly Journal of Forestry. 85:21-29.

Pilarski M. 1994. Restoration forestry: an international guide to sustainable forestry practices. (Kivaki Press, Durango, CO). 525 pp.

Porteous, Tim. 1993. Native forest restoration: a practical guide for landowners. Queen Elizabeth's Second National Trust Conference. 184 p.

Ramakrishnan PS. 1990. Biological concepts for reclamation of mined areas. International Journal of Ecology and Environmental Sciences. 16:1-14.

Rees WE. 1997. Urban ecosystems: The human dimension. Urban Ecosystems 1(1):63-76.

Robertson, D.J.; Robertson, M.C. 1995. Eastern mixed mesophytic forest restoration. Restor Manage Notes, Summer 13 (1):64-70.

Robertson DJ; Robertson MC; Tague T. 1994. Colonization dynamics of four exotic plants in a northern Piedmont natural area. Bulletin of the Torrey Botanical Club. 121:107-118.

Robinson GR; Handel SN. 1993. Forest restoration on a closed landfill: Rapid addition of new species by bird dispersal. Conservation Biology. 7:271-278.

Robinson GR; Handel SN; Schmalhofer VR. 1992. Survival, reproduction, and recruitment of woody plants after 14 years on a reforested landfill. Environmental Management. 16:265-271.

Roman CT; Garvine RW; Portnoy JW. 1995. Hydrologic modeling as a predictive basis for ecological restoration of salt marshes. Environmental Management. 19:559-566.

Rowell, M.J.; Florence, L.Z. 1993. Characteristics associated with differences between undisturbed and industrially disturbed soils. Soil Biol. Biochem. (Pergamon Press) 25 (11):1499-1511. Simenstad CA; Thom RM. 1996. Functional equivalency trajectories of the restored Gog Le Hi Te estuarine wetland. Ecological Applications 6:38-56.

Soni P; Vasistha HB; Om Kumar; Kumar O. 1989. Ecological approach towards reclaiming mined ecosystem. Indian Forester. 115:12, 875-883.

Sopper, W.E. 1992. Reclamation of mine land using municipal sludge. Adv Soil Sci. (Springer Verlag) p. 351-431. In the series: Soil restoration / edited by R. Lal and B.A. Stewart.

Sopper WE; Younos T (ed.); Diplas P (ed.); Mostaghimi S. 1992. Rapid ecological restoration of mine land using municipal sewage sludge. Land reclamation: Advances in research and technology. Pp.317-326. Proceedings (14-15 December 1992, Nashville, Tennessee) American Society of Agricultural Engineers.

Spellerberg IF (ed.); Goldsmith FB (ed.); Morris MG (ed.). Managing semi natural woods: a suitable case for coppice. The scientific management of temperate communities for conservation. (31st symposium of the British Ecological Society, Southampton, 1989.)566 pp.

Spies TA; Franklin JF; Szaro R (ed.); Johnston DW. 1996. The diversity and maintenance of old growth forests. Biodiversity in Managed Landscapes: Theory and Practice. p. 296-314. Oxford University Press; New York; USA

Symposium on Ecological Restoration. 1994. Proceedings (US-EPA Chicago, IL, March 2-4, 1993 Washington, D.C.) 212 p.

Tapsell SM. 1995. River restoration: what are we restoring to? A case study of the Ravensbourne River, London. Landscape Research. 20:98-111.

Thompson Eagle, E.T.; Frankenberger, W.T. Jr. 1992. Bioremediation of soils contaminated with selenium. Adv Soil Sci. (Springer Verlag.) p. 261-310. In the series: Soil restoration / edited by R. Lal and B.A. Stewart.

Tishkov A; Mannetje L't (ed.); Frame J. 1994. Grassland ecological restoration in Russia. Grassland and Society. Proceedings (15th General Meeting of the European Grassland Federation, 6-9 June, 1994). Pp. 309-312.

Todd J; Etnier C (ed.); Guterstam B (ed.). 1991. Ecological engineering, living machines, and the visionary landscape. Ecological engineering for wastewater treatment. Proceedings (Stensund Folk College, Sweden, March 24-28, 1991). Pp. 335-343.

Tol RSJ. 1996. The damage costs of climate change towards a dynamic representation. Ecological Economics (Amsterdam). 19:67-90.

Turner MG. 1987. Landscape heterogeneity and disturbance. Ecological Studies #64 (Springer Verlag) 239 pp.

Twisk W; Strien AJ van; Kruk M; Graaf HJ de; Keurs WJ ter; Van Strien AJ; De Graaf HJ; Ter Keurs WJ; Boatman N. 1994. Conservation and restoration of species-rich ditch bank vegetation on modern dairy farms. Field Margins: Integrating agriculture and conservation. Proceedings (Coventry, UK, 18-20 April 1994). Pp.167-172 in BCPC Monograph No. 58.

Urbanska, K.M. 1995. Biodiversity assessment in ecological restoration above the timberline. Biodivers Conserv (Chapman & Hall) 4 (7):679-695.

Urbanska KM. 1994. Ecological restoration above the timberline: Demographic monitoring of whole trial plots in the Swiss Alps. Botanica Helvetica. 104: 141-156.

Vora RS. 1994. Integrating old growth forest into managed landscapes: a northern Great Lakes perspective. Natural Areas Journal. 14:113-123.

Walker RT; Solecki WD; Harwell C. 1997. Land use dynamics and ecological transition: The case of South Florida. Urban Ecosystems 1(1):37-48.

Wassen MJ; Diggelen R van; Wolejko L; Verhoeven JTA; Van Diggelen R. 1996. A comparison of fens in natural and artificial landscapes. Vegetatio. 126:5-26.

Werner PA. 1990. Principles of restoration ecology relevant to degraded rangelands. Australian Rangeland Journal. 12:34-39.

Wheeler BD (ed.); Shaw SC (ed.); Fojt WJ (ed.); Robertson RA. 1995. Restoration of temperate wetlands. (John Wiley & Sons) 562 pp.

Zedler JB. 1996. Coastal mitigation in southern California: the need for a regional restoration strategy. Ecological Applications. 6:84-93.

Zhao HC; Li BP; Li GL; Zhao WJ; Walling D (ed.); Davies T (ed.); Hasholt B. 1992. A study of land degradation and restoration in mountain environments in Liaoning Province. Erosion, debris flow and environment in mountain regions. Proceedings (Chengdu, China, 5-9 July 1992). Pp. 477-485. IAHS Publication No. 209. International Association of Hydrological Sciences.