

Ecology, Planning, and Implementation

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** indicates items that are included with workshop materials*

Websites

Center for Invasive Plant Management – Links to guidelines, case studies and the practice of restoration and revegetation

<http://www.weedcenter.org/management/restoration.html>

Global Restoration Network – Theory, techniques, case studies, etc.

<http://www.globalrestorationnetwork.org>

Society of Ecological Restoration – Restoration primer and more

<http://www.ser.org>

Restoration and Arid Land Restoration Books

Bainbridge DA. 2007. **A Guide for Desert and Dryland Restoration: New Hope for Arid Lands**. Society for Restoration Ecology International. Washington DC: Island Press. 391 p.

Falk D, Palmer M, Zedler J. 2006. **Foundations of Restoration Ecology: The Science and Practice of Ecological Restoration**. Washington DC: Island Press. 384 p.

Perrow, MR, Davy AJ, editors. 2002. **Handbook of Ecological Restoration. Volume 1: Principles of Restoration**. Cambridge: Cambridge University Press. 460 p.

Temperton VM, Hobbs RJ, Nuttle T, Halle S, editors. 2004. **Assembly Rules and Restoration Ecology: Bridging the Gap between Theory and Practice**. Society of Ecological Restoration International. 439 p.

Van Andel J, Aronson J, editors. 2006. **Restoration Ecology: The New Frontier**. Blackwell Publishing. 319 p.

Journals that focus on ecological restoration and often contain restoration case studies in arid lands, especially following invasive species management

Arid Land Research and Management

<http://www.informaworld.com/smpp/title~content=t713926000>

Ecological Restoration

<http://www.wiley.com/bw/journal.asp?ref=1061-2971>

Invasive Plant Science and Management

<http://www.wssa.net/WSSA/Pubs/IPSM.htm>

Journal of Applied Ecology

<http://www.journalofappliedecology.org>

Journal of Arid Environments

http://www.elsevier.com/wps/find/journaldescription.cws_home/622855/description#description

Native Plants Journal (and native plant propagation database)

<http://nativeplants.for.uidaho.edu/journal>

Natural Areas Journal

<http://www.naturalarea.org/journal.asp>

Rangeland Ecology & Management (formerly Journal of Range Management)

<http://www.srmjournals.org/perlserv/?request=index-html>

Restoration Ecology – March 2008 issue is focused on tamarisk management & restoration

<http://www.ingentaconnect.com/content/bsc/rec>

The Southwestern Naturalist

<http://www.biosurvey.ou.edu/swan/swnat.html>

Journal Articles, Reports, and Proceedings

Ayyad MA. 2003. **Case studies in the conservation of biodiversity: degradation and threats.** Journal of Arid Environments 54(1):165-182.

Baker WL, Shinneman DJ. 2004. **Fire and restoration of pinon-juniper woodlands in the western United States: a review.** Forest Ecology and Management 189(1-3):1-21.

Beever EA, Huso M, Pyke DA. 2006. **Multiscale responses of soil stability and invasive plants to removal of non-native grazers from an arid conservation reserve.** Diversity and Distributions 12(3):258-268.

Bestelmeyer BT, Trujillo DA, Tugel A, Havstad K. 2006. **A multi-scale classification of vegetation dynamics in arid lands: what is the right scale for models, monitoring, and restoration?** Journal of Arid Environments 65(2):296-318.

Brown C. 2004. **Are functional guilds more realistic management units than individual species for restoration?** Weed Technology 18(1):1566-1571.

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- Munis MD. 2008. **Restoration ecology and invasive plants in the semiarid west.** *Invasive Plant Science and Management* 1(4):399-413.
- Caldwell T G, McDonald EV, Young MH. 2009. **The seedbed microclimate and active revegetation of disturbed lands in the Mojave Desert.** *Journal of Arid Environments* 73(4-5):563-573.
- Cox RD, Allen EB. 2008. **Stability of exotic annual grasses following restoration efforts in southern California coastal sage scrub.** *Journal of Applied Ecology* 45(2):495-504.
- D'Antonio CA, Meyerson LA. 2002. **Exotic plant species as problems and solutions in ecological restoration: a synthesis.** *Restoration Ecology* 10(4):703-713.
- Dobson AP, Bradshaw AD, Baker AJM. 1997. **Hopes for the future: restoration ecology and conservation biology.** *Science* 277(5325):515-522.
- Dudley TL, DeLoach CJ. 2004. **Saltcedar (*Tamarix* spp.), endangered species, and biological weed control - can they mix?** *Weed Technology* 18(Special Issue 1):1542-1551.
- Forbis TA, Provencher L, Frid L, Medlyn G. 2006. **Great Basin land management planning using ecological modeling.** *Environmental Management* 38(1):62-83.
- Forbis TA, Provencher L, Medlyn G, Turner L, Thompson J, Jones G. 2007. **A method for landscape-scale vegetation assessment: application to great basin rangeland ecosystems.** *Rangeland Ecology & Management* 60(3):209-217.
- Grantz DA, Vaughn DL, Farber RJ, Kim B, Ashbaugh L, VanCuren T, Campbell R, Bainbridge D, Zink T. 1998. **Transplanting native plants to revegetate abandoned farmland in the western Mojave Desert.** *Journal of Environmental Quality* 27(4):960-967.
- Hardegree SP, Van Vactor SS. 2004. **Microclimatic constraints and revegetation planning in a variable environment.** *Weed Technology* 18:1213-1215.
- Hauer FR, Lorang MS. 2004. **River regulation, decline of ecological resources, and potential for restoration in a semi-arid lands river in the western USA.** *Aquatic Sciences* 66(4):388-401.
- Huber-Sannwald E, Pyke DA. 2005. **Establishing native grasses in a big sagebrush-dominated site: an intermediate restoration step.** *Restoration Ecology* 13(2):292-301.
- Humphrey LD, Schupp EW. 2002. **Seedling survival from locally and commercially obtained seeds on two semiarid sites.** *Restoration Ecology* 10(1):88-95.
- Jenkins KM, Boulton AJ. 2007. **Detecting impacts and setting restoration targets in arid-zone rivers: aquatic micro-invertebrate responses to reduced floodplain inundation.** *Journal of Applied Ecology* 44(4):823-832.
- Kennedy TA, Finlay JC, Hobbie SE. 2005. **Eradication of invasive *Tamarix ramosissima* along a desert stream increases native fish density.** *Ecological Applications* 15(6):2072-2083.

King EG, Hobbs RJ. 2006. **Identifying linkages among conceptual models of ecosystem degradation and restoration: towards an integrative framework.** Restoration Ecology 14(3):369-378.

Lesica P, Allendorf FW. 1999. **Ecological genetics and restoration of plant communities: mix or match?** Restoration Ecology 7(1):42-50.

Maestre FT, Bautista S, Bellot J, Cortina J. 2001. **Potential for using facilitation by grasses to establish shrubs on a semiarid degraded steppe.** Ecological Applications 11(6):1641-1655.

Monsen SB, Stevens R, Shaw NL, compilers. 2004. **Restoring western ranges and wildlands.** General Technical Report RMRS-GTR-136, volumes 1-3. US Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fort Collins, CO. 884 p.

Volume 1 – http://www.fs.fed.us/rm/pubs/rmrs_gtr136_1.html

Volume 2 – http://www.fs.fed.us/rm/pubs/rmrs_gtr136_2.html

Volume 3 – http://www.fs.fed.us/rm/pubs/rmrs_gtr136_3.html

Nagler PL, Hinojosa-Huerta O, Glenn EP, Garcia-Hernandez J, Romo R, Curtis C, Huerte AR, Nelson SG. 2005. **Regeneration of native trees in the presence of invasive saltcedar in the Colorado River delta, Mexico.** Conservation Biology 19(6):1842-1852.

Olson C, Harris R. 1997. **Applying a two-stage system to prioritize riparian restoration at the San Luis Rey River, San Diego County, California.** Restoration Ecology 5(4):43-55.

Padilla FM, Pugnaire FI. 2006. **The role of nurse plants in the restoration of degraded environments.** Frontiers in Ecology and the Environment 4(4):196-202.

Pellant M, Abbey B, and Karl S. 2004. **Restoring the Great Basin Desert, USA: integrating science, management, and people.** Environmental Monitoring and Assessment 99(1-3):169-179.

Ross C. 2004. **Native seed collection and use in arid land reclamation: a low-tech approach.** Environmental Monitoring and Assessment 99(1-3):267-274.

Roundy BA, McArthur ED, Haley JS, Mann DK, compilers. 1995. **Wildland shrub and arid land restoration symposium;** 1993 October 19-21; Las Vegas, NV. General Technical Report INT-GTR-315. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 384 p.

http://www.fs.fed.us/rm/pubs/int_gtr315/index.html

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Whisenant SG. 1999. **Repairing damaged wildlands: a process-orientated, landscape-scale approach.** Cambridge (UK): Cambridge University Press. 312 p.

Wilson MV, Ingersoll CA, Wilson MG, Clark DL. 2004. **Why pest plant control and native plant establishment failed: a restoration autopsy.** *Natural Areas Journal* 24(1):23-31.

Wolfe BE, Klironomos JN. 2005. **Breaking new ground: soil communities and exotic plant invasion.** *Bioscience* 55(6):477-487.

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