

# Lawrence R. Walker: Selected Publications

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## Books (N=12)

Powell, E.A., F.H. Landau, L.R. Walker. 2023. A Guide to Common Plants of Lake Mead National Recreation Area. University of Nevada Press.

Prach, K. and L.R. Walker 2020. Comparative Plant Succession among Terrestrial Biomes of the World. Cambridge University Press.

Walker, L.R. and F.H. Landau. 2018. A Natural History of the Mojave Desert. University of Arizona Press.

Willig, M. and L.R. Walker, eds. 2016. Long-term Ecological Research: Changing the Nature of Scientists. Oxford University Press.

Walker, L.R. and A.B. Shiels. 2013. Landslide Ecology. Cambridge University Press.

Walker, L.R. 2012. The Biology of Disturbed Habitats. Oxford University Press.

Walker, L.R. and P.J. Bellingham. 2011. Island Environments in a Changing World. Cambridge University Press.

Mehltreter, K., L.R. Walker and J. Sharpe (eds.). 2010. Fern Ecology. Cambridge University Press.

Walker, L.R., J. Walker and R. J. Hobbs (Eds.). 2007. Linking Restoration and Ecological Succession. Springer.

del Moral, R. and L. R. Walker. 2007. Environmental Disasters, Natural Recovery and Human Responses. Cambridge University Press.

Walker, L.R. and R. del Moral. 2003. Primary Succession and Ecosystem Rehabilitation. Cambridge University Press, Cambridge.

Walker, L.R. (Ed.). 1999. Ecosystems of Disturbed Ground. Elsevier, Amsterdam.

### Selected Articles (Peer-reviewed total N=139)

Burton, P.J., J. Simons, S. Brittingham, D.B. Thompson, D.W. Brooks, and L.R. Walker. 2020. Regeneration dynamics of Great Basin bristlecone pine in southern Nevada. *Canadian Journal of Forest Research* 50:589-594.

Burton, P.J., A. Jentsch, and L.R. Walker 2020. The Ecology of Disturbance Interactions. *BioScience* 70:854-870.

Walker, L.R. and D.A. Wardle. 2014. Plant succession as an integrator of contrasting ecological time scale. *Trends in Ecology and Evolution* 29:504-510.

Walker, L.R., N. Hölzel, R. Marris, R. del Moral and K. Prach. 2014. Optimization of intervention levels in ecological restoration. *Applied Vegetation Science* 17:187-192.

Walker, L.R., A.R. DeGange, G. Michaelson, D.S. Sikes, S.L. Talbot, S.S. Talbot, B. Wang and J.C. Williams. 2013. Biology and soil legacies direct early primary succession and food web reorganization on Kasatochi Volcano, Alaska. *Écoscience* 20:240-251.

Walker, L.R., A.B. Shiels, P.J. Bellingham, A. D. Sparrow, N. Fetcher, F.H. Landau, and D.J. Lodge. 2013. Changes in abiotic influences on seed plants and ferns during 18 years of primary succession on Puerto Rican landslides. *Journal of Ecology* 101:650-661.

Prach, K. and L.R. Walker. 2011. Four challenges for studies of ecological succession. *Trends in Ecology and Evolution* 26:119-123.

Walker, L.R., F. H. Landau, E. Velázquez, A. B. Shiels and A. Sparrow. 2010. Early successional woody plants facilitate and ferns inhibit forest development on Puerto Rican landslides. *Journal of Ecology* 98: 625-635.

Walker, L.R., Wardle, D.A., R.D. Bardgett and B.D. Clarkson. 2010. The use of chronosequences in studies of ecological succession and soil development. *Journal of Ecology* 98:725-736.

Peltzer, D.A., D.A. Wardle, V.J. Allison, W.T. Baisden, R.D. Bardgett, O.A. Chadwick, L.M. Condon, R.L. Parfitt, S. Porder, S.J. Richardson, B.L. Turner, P.M. Vitousek, J. Walker

- and L.R. Walker. 2010. Understanding ecosystem retrogression. *Ecological Monographs* 80:509-529.
- Hayes, W.E. II, L.R. Walker and E.A. Powell. 2009. Competitive abilities and ecological impacts of *Tamarix aphylla* in Southern Nevada. *Plant Ecology* 202: 159-167.
- Restrepo, C., L.R. Walker, A.B. Shiels, R. Bussman, L. Claessens, S. Fisch, P. Lozano, G. Negi, L. Paolini, G. Poveda, C. Ramos-Scharrón, M. Richter and E. Velázquez. 2009. Landsliding and its multi-scale influence on mountainscapes. *BioScience* 59:685-698.
- Thompson, D., L.R. Walker, F. Landau and L.R. Stark. 2005. The influence of elevation, cryptobiotic soil crust and shrub canopy removal on fertile islands in the Mojave Desert, USA. *Journal of Arid Environments* 61:609-629.
- Wardle, D., L.R. Walker, and R.D. Bardgett. 2004. Ecosystem properties and forest decline in contrasting long term chronosequences. *Science* 305:509-513.
- Tallent-Halsell, N.G. and L.R. Walker. 2002. Responses of *Salix gooddingii* and *Tamarix ramosissima* to flooding. *Wetlands* 22: 138-148.
- Walker, L.R. and E.A. Powell. 2001. Soil water retention on gold mine tailings. *Restoration Ecology* 9:95-103.
- Bolling, J.D. and L.R. Walker. 2000. Plant and soil recovery along a series of abandoned desert roads. *Journal of Arid Environments* 46:1-24.
- Callaway, R.M. and L.R. Walker. 1997. Competition and facilitation: A synthetic approach to interactions in plant communities. *Ecology* 78:1958-1965.