

Ecological Restoration

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Editorial	63
Restoration Ecologists Head to the City: Will It Open the Door for Us? <i>Steven N. Handel</i>	
Guest Editorial	65
Restoration Cost as a Proxy for Ecosystem Value <i>David A. Bainbridge</i>	
RESTORATION NOTES	
Changes in Species Composition and Growth in a Restored Maple-Basswood Forest after 30 Years <i>Kathleen L. Shea and Sean R.D. Meagher</i>	67
The Use of Dredged Sediments as a Soil Amendment for Improving Plant Responses in Prairie Restorations <i>Maureen E. Roddy, William E. Vinney, Corry T. Platt and Megan A. Rúa</i>	70
Effects of Ridges and Furrows on Passive Vegetation Recovery in Oldfields <i>Matimu Mabunda and Sheunesu Ruwanza</i>	74
RESTORATION DESIGN NOTES	
Design with Algae Bloom: An Ecological Restoration Design Approach in an Urban Landscape <i>Xiwei Shen, Jiawen Chen, Qiuyi Yang and Mengting Ge</i>	78
RESEARCH ARTICLES	
Exploring the Use of Living Shorelines for Stabilization and Nutrient Mitigation in New England <i>Mary Schoell, Suzanne Ayvazian, Donald Cobb, David Grunden, Marty Chintala, Anna Gerber-Williams, Adam Pimenta, Charles Strobel and Kenneth Rocha</i>	84
Bur Oak (<i>Quercus macrocarpa</i>) Enrichment Plantings Enhance Successional Restoration of an Old Field <i>Jon K. Piper</i>	99
Graminification and Reversal of Mesophication in a Restored Oak Woodland <i>Alicia L. Arrington-Thomas and John Stephen Brewer</i>	109
PERSPECTIVE	
Documenting Restoration Efforts for Landscape Planning, Monitoring, Research, and Education in the Wet Tropics of Australia <i>Sigrid Heise-Pavlov and David Tng</i>	119
DESIGN APPROACHES TO ECOLOGICAL RESTORATION	
From Pond to Dune: Adding Coastal Landforms and Biodiversity to the Landscape of a Modern Residence <i>Christopher LaGuardia</i>	132

ABSTRACTS

Climate Change	137	Planning and Policy	143
Coastal and Marine Communities	138	Propagation and Introduction	143
Ecological Design	138	Reclamation, Rehabilitation and Remediation	143
Ecological Literacy (Education)	139	Species at Risk	144
Economics and Ecosystem Services	139	Technology and Tools	144
Grasslands	140	Traditional and Local Knowledge	145
Invasive and Pest Species	140	Urban Restoration	145
Lakes, Rivers and Streams	141	Wetlands	146
Monitoring and Adaptive Management	141	Wildlife Habitat Restoration	146
Outreach	142	Woodlands	146

MEETINGS

148



Front Cover Feature:

Over the last 50 years, coastal erosion had slowly compromised the future of an award winning house built by modernist architect Norman Jaffe in the 1970s. Rather than using hardscaping to try to hold back the sea, LaGuardia describes how his team re-sited the home and created natural features to enhance ecological resilience across the landscape, providing integrity for the structure. Image credit: LaGuardia Design Group.

Back Cover Features:

Top: Cullen Hauck measures the DBH of trees in a restored maple-basswood forest in southeastern Minnesota (U.S.). Shea and Meagher report on the density and species richness of the site after 30 years of succession following agricultural abandonment. Image credit: Kathleen Shea.

Middle: EPA members join Oak Bluffs Shellfish Constable Dave Grunden and Friends of the Sengekontacket Pond interns to install coir logs along a vulnerable tidal marsh in Martha's Vineyard, Massachusetts (U.S.). Schoell et al. report on quantified nitrification removal around the restoration site, and qualified observations of shoreline integrity under pressure from coastal storms. Image credit: Bella Bennett.

Bottom: Alicia Arrington tends a fire line at Strawberry Plains Audubon Center in the loess plains of north-central Mississippi. The authors researched the effects of C₄ grasses and varying types of leaf litter on fuel consumption in oak woodlands. Their report provides recommendations for reversing mesophication and enhancing the use of fire as a tool for oak restoration. Image credit: Alicia Arrington-Thomas.