

# Ecological Restoration

Volume 33, Number 4



December 2015

<b>Editorial</b>	339
On a Woodland Sedge <i>Steven N. Handel</i>	

<b>Perspective</b>	341
A Pedogenic View of Ecosystem Restoration <i>Kevin K. Moorhead</i>	

## RESTORATION NOTES

The Application of Prescribed Fire and Herbicide to Reduce Pennsylvania Sedge ( <i>Carex pensylvanica</i> ) Cover at the Newwaygo Prairies Research Natural Area, Manistee National Forest, Michigan <i>Todd A. Aschenbach and Pat Ruta McGhan</i>	352
Conversion of Smooth Brome ( <i>Bromus inermis</i> ) to Switchgrass ( <i>Panicum virgatum</i> ) on Untilled Prairie in Northwest Iowa <i>Michael L. Sundall, Lora B. Perkins and Troy W. Grovenburg</i>	355

## ARTICLES

Prioritizing Wetland Restoration Sites: A Review and Application to a Large-Scale Coastal Restoration Program <i>Daniel Consorte Widis, Todd K. BenDor and Michael Deegan</i>	358
Is Information Enough? The Effects of Watershed Approaches and Planning on Targeting Ecosystem Restoration Sites <i>Sierra C. Woodruff and Todd K. BenDor</i>	378
Small Mammal Habitat Preferences in a Patchwork of Adjacent Reconstructed Grasslands Subject to Semiannual Burns <i>Teresa DeGolier, Jeff Port and Shawn P. Schottler</i>	388
Importance of Native Understory for Bird and Butterfly Communities in a Riparian and Marsh Restoration Project on the Lower Colorado River, Arizona <i>Heidi Kloepfel Trathnigg and Fred O. Phillips</i>	395
Outcomes of Past Grassland Reconstructions in Eastern North Dakota and Northwestern Minnesota: Analysis of Practices <i>Jack Norland, Tyler Larson, Cami Dixon and Kristine Askerooth</i>	408

## ABSTRACTS

Coastal & Marine Communities	418	Reclamation, Rehabilitation & Remediation	421
Economics & Ecosystem Services	419	Technology & Tools	421
Grasslands	419	Urban Restoration	422
Invasive & Pest Species	420	Wildlife Habitat Restoration	422
Lakes, Rivers & Streams	420	Woodlands	423
Other Communities	421		

## REVIEWS

### Book Reviews

- Hawaiian Plant Life Vegetation and Flora 425  
*Robert J. Gustafson, Derral R. Herbst and Philip W. Rundel, reviewed by Ann K. Sakai*
- Antarctic Lakes 426  
*Johanna Laybourn-Parry and Jemma Wadham, reviewed by Martin Siegert*
- Historical GIS Research in Canada 427  
*Jennifer Bonnell and Marcel Fortin (eds), reviewed by Shannon Stunden Bower*

## MEETINGS

429



### Front Cover Feature:

DeGolier and colleagues examined the response of small mammals to floristic diversity and prescribed burns in prairie restorations. Here they found that annual changes in habitat structure due to prescribed burns maintained small mammal diversity. The authors suggest that techniques that promote differences in structural characteristics across prairie restorations are just as important as creating plantings with high floristic diversity for small mammal success. Pictured here is *Liatris pycnostachya* at Bluestem Prairie, MN. Photo Credit: Justin Meissen.

### Back Cover Features:

Top: Adjacent prairie restorations with differing floristic diversity and structure successfully support small mammal populations. Photo credit: Griff DeGolier.

Middle: Diverse plantings of native grasses and herbaceous plants benefit birds and butterflies at the Yuma East Wetlands, AZ. Photo credit: Darren Miller.

Bottom: Conversion of smooth brome (*Bromus inermis*) to native switchgrass (*Panicum virgatum*) is most cost-effective utilizing herbicide and seeding. Photo credit: Michael Sundall

Beginning with Volume 33 of *Ecological Restoration*, articles that have enhanced or expanded content online will be marked with the following symbols:

 Color version of this article is available through online subscription at: <http://er.uwpress.org>

 This open access article is distributed under the terms of the CC-BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/3.0>) and is freely available online at: <http://er.uwpress.org>

 Supplementary materials are freely available online at: <http://uwpress.wisc.edu/journals/journals/er-supplementary.html>