

Ecological Restoration

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Cost-effective approaches for restoring degraded coral reefs

EDITORIAL

Steven N. Handel

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Volume 37, Number 2



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Editorial

The Buzz: Swarming Pollinator Issues for Restoration
Steven N. Handel

65

RESTORATION NOTES

Seeding, Herbicide, and Fungicide Impact on Perennial Grass Establishment in Cheatgrass Infested Habitats
Krista A. Ehlert, Jane M. Mangold, Fabian Menalled, Zachariah Miller and Alan Dyer

67

A Low Organic Matter Soil Does Not Maintain a Native Grassland Restoration in the Colorado Front Range
Marguerite Behringer, Alex Anderson and Timothy Seastedt

70

Predicting Post-Fire Tree Survival for Restoring Oak Ecosystems
Scott R. Abella, LaRae A. Sprow and Timothy A. Schetter

72

Spekboom (*Portulacaria afra*) Planting in Degraded Thickets Improves Soil Properties and Vegetation Diversity
Bryce Panter and Sheunesu Ruwanza

76

ARTICLES

Comparing the Efficiency of Nursery and Direct Transplanting Methods for Restoring Endangered Corals
Graham E. Forrester, Maggie Chan, Dennis Conetta, Russell Dauksis, Katie Nickles and Alicia Siravo

81

Restoration of a New Zealand Lagoon: Evaluation of Two Years of Introduced Fish Control Trials
Amber Julie McEwan and Philippa Crisp

90

Restoration of Ecosystem Function by Soil Surface Inoculation with Biocrust in Mesic and Xeric Alpine Ecosystems

Annie-Claude Letendre, Darwyn S. Coxson and Katherine J. Stewart

101

Removal of Climbing Plants and Soil Plowing as a Strategy to Enhance Forest Recovery in Tropical Dry Forests Old Fields

Moisés Méndez-Toribio, Julieta Benítez-Malvido, Isela E. Zermeño-Hernández and Jessica Castillo-Mandujano

113

The Influence of Species Richness and Forb Seed Density on Grassland Restoration in the Badlands of North Dakota, USA

Benjamin A. Geaumont, Jack Norland and Jeffery W. Stackhouse

123

ABSTRACTS

Climate Change	131	Outreach	134
Coastal & Marine Communities	131	Propagation & Introduction	134
Ecological Design	132	Reclamation, Rehabilitation & Remediation	134
Ecological Literacy	132	Species at Risk	135
Economics & Ecosystem Services	132	Technology & Tools	135
Grasslands	132	Urban Restoration	135
Invasive & Pest Species	133	Wetlands	136
Lakes, Rivers & Streams	133	Wildlife Habitat Restoration	136
Monitoring & Adaptive Management	133	Woodlands	137

MEETINGS

138



Front Cover Feature:

Diver Grace Hanson searches for detached fragments of *Acropora cervicornis* (staghorn coral) that will be used to restore degraded reefs in the British Virgin Islands. These “fragments of opportunity” are small pieces of live coral accidentally detached from their parent colony by storms, boats, or people. In this issue, Forrester et al. compare the survival and growth of these *A. cervicornis* fragments following three different transplant treatments. The results offer practitioners guidance on the cost-effectiveness of each transplant approach. Image credit: Graham Forrester

Back Cover Features:

Top: In the absence of regular wildfires, the open-structured oak ecosystems once found extensively throughout the eastern U.S. have diminished. Prescribed fires are often used to restore these systems by targeting undesirable understory hardwoods. However, prescribed fires do not always kill target species. To develop guidelines for managers, Abella et al. identify characteristics of target and non-target trees capable of surviving a controlled burn. Image credit: Tabby Fenn.

Middle: Forest recovery is challenging in former pastoral systems of the tropics. Pastoral land practices leave soils nutrient-poor and compacted. Opportunistic climbing plants slow tree growth by competing with tree roots for underground resources and tree canopies for available sunlight. On the Pacific coast of Mexico, Mendez-Toribio et al. examined tree growth response to climbing plant removal and soil plowing. Their work offers perspective on restoration practice within dry forest old fields. Image credit: Moisés Méndez-Toribio.

Bottom: The badlands region of the United States is characterized by abrupt changes in land topography. This topography generates high environmental variability managers must consider when developing grassland restoration protocols for the badlands. In this issue, Geaumont et al. explore the interplay between seed mixtures for grassland restoration and environmental variability. Image credit: Benjamin Geaumont.

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Material may be submitted for the following categories (listed as they are encountered in the Journal):

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3. Research articles or reviews on ecological restoration theory, experiments, socio-ecological linkages, education, restoration history, practice
4. Case studies (full length articles describing a particular restoration project or location and lesson learned)
5. Book, journal, website, or movie reviews

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