

Rangelands

Volume 36 No. 2
April 2014

Humans in Changing Shrubland Ecosystems

(Sponsored Issue)

Guest Editors: Joel Brown and Andrés F. Cibils

- 2 **Sponsored Issue Acknowledgments**
- 3 **Foreword: Humans in Changing Shrubland Ecosystems**
Rosemary L. Pendleton, Stanley G. Kitchen, and Andrés F. Cibils
- 5 **Unwanted No More: Land Use, Ecosystem Services, and Opportunities for Resilience in Human-Influenced Shrublands**
Mark Brunson
- 12 **Valuing and Rewarding Ecosystem Services From Rangelands**
Neil D. MacLeod and Joel R. Brown
- 20 **Uncertainty, Impermanence Syndrome, and Public Land Ranching**
Samuel F. Parry and Rhonda Skaggs
- 25 **The Changing Role of Shrubs in Rangeland-Based Livestock Production Systems: Can Shrubs Increase Our Forage Supply?**
Richard E. Estell, Kris M. Havstad, Andrés F. Cibils, Dean M. Anderson, and T. Scott Schrader
- 32 **Learning to Live With Cheatgrass: Giving Up or a Necessary Paradigm Shift?**
Stanley G. Kitchen
- 37 **Asymmetric Ecological and Economic Responses for Rangeland Restoration: A Case Study of Tree Thickening in Queensland, Australia**
Neil D. MacLeod, Joe C. Scanlan, and Joel R. Brown
- 45 **Incorporating Ecosystem Services Into Economic Assessments of Restoration Projects**
L. Allen Torell, Gregory L. Torell, and Rhonda K. Skaggs
- 52 **Deep Planting Long-Stem Nursery Stock: An Innovative Method to Restore Riparian Vegetation in the Arid Southwest**
David R. Dreesen and Gregory A. Fenchel
- 57 **Talks and Posters Presented at the 17th Wildland Shrub Symposium, May 22–24, 2012, Las Cruces, NM**
Andrés F. Cibils

Departments

- 61 **Listening to the Land**
- 63 **Browsing the Literature**
- 66 **Highlights, *Rangeland Ecology & Management*, March 2014**