
Margaret N. Rees
University of Nevada, Las Vegas, peg.rees@unlv.edu

Follow this and additional works at: https://digitalscholarship.unlv.edu/pli_lake_mead_fire
Part of the Plant Biology Commons, and the Terrestrial and Aquatic Ecology Commons

Repository Citation

This Report is brought to you for free and open access by the Lake Mead Recreational Area Research at Digital Scholarship@UNLV. It has been accepted for inclusion in Fire Science by an authorized administrator of Digital Scholarship@UNLV. For more information, please contact digitalscholarship@unlv.edu.
Executive Summary

- Weighed biomass for competitive hierarchy study.
- Completed more seed granivory trials at Goodsprings.
- Monitored and maintained nursery plots.
- Submitted revised article to Journal of Arid Environments.

Program Activities

Biomass harvested from the competitive hierarchy experiment was oven dried and weighed at a UNLV laboratory. The results of this study will compliment the goals of this JFSP task agreement. Screening large numbers of native species in the presence of *Bromus rubens* will allow us to identify natives with the strongest competitive abilities. Data will soon be analyzed to compare the effects of various native species on the growth and productivity of *Bromus rubens*.

Further granivory trials were completed (one per month). Our continuing efforts to test seed granivory in both burned and unburned habitat on a monthly basis should elucidate the potential seasonal effects on granivore activity. Alex Suazo presented preliminary results of this study at the Ecological Society of America meeting in August.

The experimental plots at the Lake Mead nursery were watered and maintained on a weekly basis throughout the summer. Several plants succumbed to the stresses of outplanting combined with the extreme temperatures. Efforts are being made to find (or grow) suitable replacements. Overall, most plants have survived. As of September, more exotic seeds were sown into the plots.

The manuscript formerly entitled “Relationships of exotic annual plant invasions to roads and native perennial species in the eastern Mojave Desert, USA” was heavily revised and recently re-submitted to the Journal of Arid Environments. The revised title is now “Factors affecting exotic annual plant cover and richness along roadsides in the eastern Mojave Desert, USA.” Cheryl Vanier reanalyzed the data and offered much help during the revision process; thus, she was added as a co-author.
**Papers Published/Submitted**


**Presentations**


**Technical Assistance/Synergistic Work**

Donovan Craig compiled a list of exotic species for the Mojave Inventory and Monitoring Network. He is assisting in the development of an invasive/exotic plant monitoring protocol.

**Agency Meetings/Training Attended/Professional Development**

- Mr. Craig co-authored poster presentation that was delivered by Alex Suazo at the Ecological Society of America conference in Albuquerque, NM in August.
- Mr. Craig completed the required Record Management Awareness and Orientation to Privacy Act courses for the NPS.

Submitted by:

[Signature]

Margaret N. Rees, Project Administrator  9/30/09