6-30-2008


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
Available at: https://digitalscholarship.unlv.edu/pli_lake_mead_fire/3

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

- Cones seeded for competition experiment at LAME nursery.
- Cones monitored for seedling establishment.
- Goodsprings revegetation studies monitored.
- Invasibility data being entered and analyzed.
- Abstract for NAA conference submitted.

Program Activities

Much preparation was made during this quarter initiating plants for the competition study at the LAME nursery. Since plants did not grow well during the first trial last fall, a new soil mix was created to prevent suspected problems from the last attempt. Sand was sifted to remove the fine clay particles and mixed in a 2:1:1 ratio with perlite and organic matter. Cones were filled with soil and seeded to obtain nearly 300 plants each of the 12 species for the study. Many follow-up trips were made to the nursery to monitor the seedling establishment and reseed cones where no seedlings grew. To mitigate potential issues with plant establishment for this important study, seeds were also delivered to the College of Southern Nevada’s plant nursery for simultaneous plant establishment. Seeds of *Bromus rubens* and *Schismus spp.* were also collected for seeding plots in the competition study.

In mid-May, plants at the Goodsprings burn outplanting were checked and Rain Bird® irrigation supplements were added to designated plants. Plant mortality was recorded and results indicate that shelter and irrigation supplements acting together reduce plant mortality overall. In addition, the seeding study in the same area was watered for treatment purposes. No visible seedlings have emerged in that study as of May 13. Outplanted plants were assessed again in mid-June for mortality.

Data from the March 2008 road and microsite invasibility study was entered and partially analyzed. An abstract was submitted to the Natural Areas Association for their conference next October.
The second Joint Fire Science Update article was submitted for the Mojave Applied Ecology Notes newsletter.

**Technical Assistance/Synergistic Work**

Donovan Craig assisted Janis Lee (newly appointed nursery manager) in covering nursery operations while Ms. Lee was out of town two separate weeks.

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

- Donovan Craig attended Fire Incident Resource Advisor (READ) training on March 31 and April 1 at Lake Mead NRA.
- Mr. Craig was trained for towing a trailer on April 23 at LAME nursery.

Submitted by:

Margaret N. Rees, Project Administrator  
06/30/08  
Date