

Mojave Desert Fire Science and Management Workshop

Location: Mojave National Preserve, Conference Room, 2701 Barstow Road Barstow, California

Date: 11 June, 2014

Sponsors:

California Fire Science Consortium (cafiresci.org)

Joint Fire Science Program (www.firescience.gov)

Strategic Environmental Research and Development Program (www.serdp.org)

Objectives: 1) present an update to land managers on the state of fire science in the Mojave Desert since the 2005/2006 fire seasons; 2) promote communication among the primary research groups conducting fire science in the region; and 3) scope out ideas for a possible JFSP funding plea and/or a fire session for the 2015 Desert Tortoise Council Symposium or other venue.

RSVP: Space is limited, so if you are not a confirmed speaker but would like to attend, please email Matt Brooks (matt_brooks@usgs.gov).

Agenda:

- 8:00 – 8:15 Arrival of attendees and presenters, webex and conf line hookup
- 8:15 – 8:30 Workshop introduction – Matt Brooks
- 8:30 – 8:45 Prehistoric and historic fire in the Mojave Desert – Matt Brooks
- 8:45 – 9:15 Recent patterns of fire, 1972-2010 – Robert Klinger
- 9:15 – 9:45 Short-term effects of fire on seed banks and vegetation – Matt Brooks
- 9:45 – 10:15 Longer-term post fire vegetation dynamics and predicted invasive species habitat suitability – Robert Klinger
- 10:15 – 10:30 Break
- 10:30 – 11:00 Fire risk and responses of tortoises to burned habitat in the Northeastern Mojave Desert – Ken Nussear
- 11:00 – 11:30 Relationships between annual plant productivity, nitrogen deposition, and fire size in low elevation California desert scrub. – Edith Allen
- 11:30 – 12:00 Modeling probability of ignition and fire severity across the Mojave ecoregion – Robert Klinger
- 12:00 – 12:30 Past, current, potential future precipitation patterns and associations with fire – Jerry Tagestad
- 12:30 – 1:15 Lunch (bring your own)
- 1:15 – 1:45 Applying remote sensing metrics to quantify invasive annual plant distributions and map seasonal fire hazard across Mojave landscapes– Janelle Downs
- 1:45 – 2:00 Effectiveness of post-fire aerial seedings in the Northeastern Mojave Desert – Matt Brooks
- 2:00 – 2:30 Post-fire restoration in Mojave desert tortoise habitat and the selection of suitable native plant materials – Lesley DeFalco
- 2:30 – 3:00 DOI fire management science needs in the Mojave Desert – Nelson Seifkin and James Gannon
- 3:00 – 3:15 DoD fire management science needs in the Mojave Desert – Ruth Sparks
- 3:15 – 4:00 Workshop conclusion and roundtable discussion about research needs and possible fire session at the 2015 DTC Symposium

Presentations available on the California Fire Science Consortium website. DeFalco presentation information available upon request from the author (ldfalco@usgs.gov)