

MEETING PLAN

TITLE: Mohave Ground Squirrel Working Group

PURPOSE: "The workshop will seek the viewpoints of land managers, researchers, and other interested individuals on the development of better detection protocols and methods of determining density and distribution of Mohave Ground Squirrel populations as part of a long-term conservation strategy."

PERFORMANCE

OBJECTIVES:

1. Present background information on MGS life history, density, distribution, and core populations
 - a. Discuss density, distribution, and core populations of MGS.
 - i. Historical/current distribution of MGS
 - ii. Identify areas where presence is in question.
 - iii. Identify important migration corridors and discuss the current understanding of migration and migration corridors.
 - iv. Discuss the process of how core populations have been identified and the methods used. Should other detection methods be considered?
 - v. Identify life history, habitat conditions, and environmental factors that control distribution on the landscape.
 - vi. Identify current and future factors limiting the persistence of the species (climate change, anthropogenic effects, etc).
 - vii. Identify data gaps for distribution.
 - viii. Discuss how to use data (existing and needed) to identify potential distribution.
 - b. Seek agreement on the current distribution of MGS (DFG/FWS).
2. Discuss how anthropogenic activities affect MGS and ways to possibly reduce the effects.
3. Discuss data gaps and needs.
 - a. Discuss what data land management agencies (military, federal, state, etc.) and regulatory agencies need to effectively manage for the long-term sustainability of MGS.
 - b. Discuss topics related to a conservation strategy for MGS;
 - c. Data
 - i. Existing
 - ii. Additional or missing data
 - d. Discuss ways that stakeholders can better cooperate/collaborate to streamline data collection, distribution, analysis, reporting, etc. of MGS data;
 - i. Collaboration issues
 1. Data sharing
 2. Coordinating field work
 3. Pooling of data for modeling etc.
 4. Policy sharing and coordination

5. Genetic sampling
4. Discuss survey and monitoring protocols
 - a. Methodological considerations
 - i. Live Traps
 - ii. Camera Traps
 - iii. Other methods (visual and vocal surveys, etc.)
 - b. Data needs and study objectives
 - i. Occupancy
 - ii. General distribution
 - iii. Density
 - iv. Models
 - v. Ecological considerations (habitat, food, etc.)
 - vi. Population trends
 - vii. Updated land cover maps
 - viii. Etc.
 - c. Statistical Considerations
 - i. Separation of trap stations
 - ii. Sample frequency
 - iii. How many samples
 - iv. What kind of data
 - d. Discuss viewpoints on developing methods and protocols;
 - i. What is needed to formulate draft guidance document or improve existing protocols?
 - ii. Formulate material for protocol and process for developing.
5. Identify follow-up actions and groups of individuals who will focus on these. These groups would continue to work after the meeting.
6. Produce materials that will enable stakeholders to conduct follow-up work designed to further Mohave ground squirrel conservation and management.
 - a. Summary of meeting presentations
 - b. Identify priority actions for implementation
 - c. Outline proposed protocols and guidelines
 - d. Evaluation of the meeting

Participants

Participant	Organization
Judy Hohman	USFWS
Bronwyn Hogan	USFWS
Scott Osborn	CDFG
Becky Jones	CDFG
Randi Logsdon	CDFG
Lisa Gymer	CDFG
Eric Weiss	CDFG
Jim Nelson	Nelson Facilitation
Julia Gonzales	Workshop assistant
Soren Nelson	Workshop assistant
Clarence Everly	Fort Irwin
Liana Aker	Fort Irwin
David Delaney	U.S. Army CERL
Danny Reinke	EAFB
Thomas Mull	EAFB
Russell Scofield	BLM, DOI Coordinator for DMG
Marjorie Matocq	University of Nevada, Reno
Larry LaPre	BLM
Jeff Mach	Conservation Manager, Oregon Military Dept.
William Vagt	Oregon Army National Guard
Philip Leitner	CSU at Stanislaus, ESRP
Eric Yensen	The College of Idaho
Jeff Aardahl	Defenders of Wildlife
Mary Logan	Desert Tortoise Preserve Committee
Gary Roemer	New Mexico State University
Fon Allan Duke	Mojave Desert Ecosystem Program
Debra Hughson	NPS