

Mojave Ground Squirrel Partnership Workshop



Goal

- ◆ Ensure long-term protection of MGS habitat & viability of species

1 - Determine the extent of the MGS range

- ◆ Prioritize areas to be surveyed/monitored to determine presence/absences
- ◆ Update current MGS map
- ◆ Fund population biologist/statistician to determine most efficient method of locating MGS
- ◆ Conduct presence/absence surveys

2 - Determine habitat type

- ◆ Determine preferred habitat type
- ◆ Determine ecological requirements

3 - Adaptive management plan

- ◆ Long term monitoring for status trends
- ◆ Population estimates and baseline population data
- ◆ Create and maintain central data base
- ◆ Standardize data collection techniques
- ◆ Translocation/ reintroduction of MGS

Adaptive management cont.

- ◆ Continue to support research that promotes conservation of the species
- ◆ 1) Locate core populations
- ◆ 2) Determine important corridors between core areas.
- ◆ 3) Determine barriers to movement and id measure to minimize barriers
- ◆ 4) Document genetic variation through out the range

Adaptive management cont.

- ◆ Assess the need for and develop as necessary education materials that will assist in the conservation of the species.

4) Develop/implement measures to sustain long term viability

- ◆ Limit the loss of habitat and effects on MGS populations through the application of effective conservation measures and when applicable through mitigation and compensation
- ◆ 1) Restore and enhancement of habitat
- ◆ 2) Avoid/minimize impacts to MGS and its habitat

Measures to sustain long term viability cont.

- ◆ Secure and/or manage sufficient core habitat and corridors to maintain self sustaining populations
- ◆ Task 1) Develop and implement interim conservation measures
- ◆ Task 2) Maintain genetic variation through out the range

Foster communication and coordination among participants and other interested parties to identify opportunities for collaborative action to further the acquisition, protection, restoration and management of MGS habitat.

Monitoring

Hire a statistician/population biologist

Phase I

- 1) Develop experimental design for presence absence throughout range.
- 2) Assess method of monitoring for statistical validity, using accepted scientific methods, i.e. Grid vs transects, trapping, vocalization, cameras, etc.

Monitoring cont.

Phase II

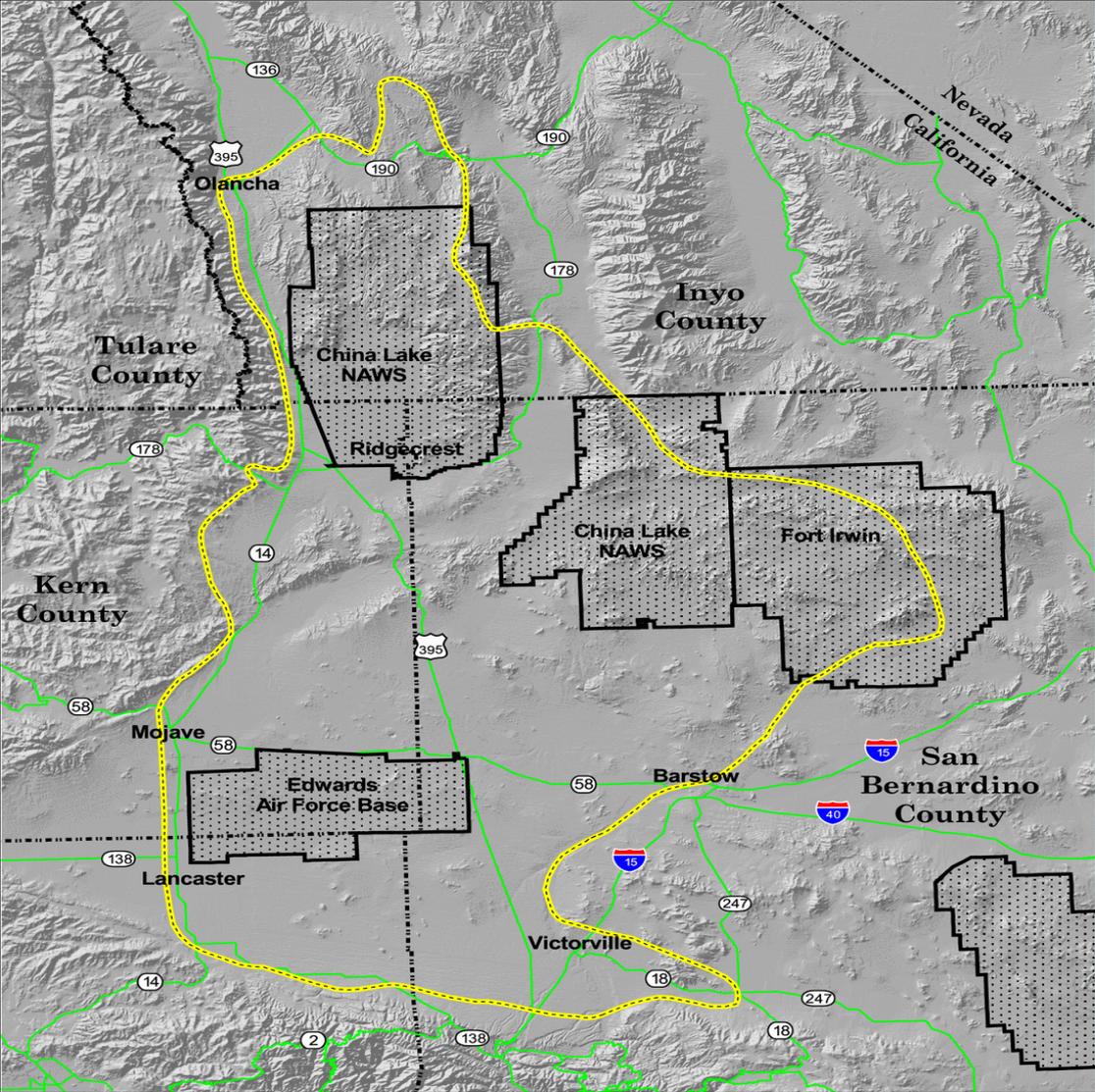
- 3) ID aspects of population biology (age specifics, population size, density dependence, survival rate, reproductive rate, sex ratio, etc.) though population viability analysis with simulation models.

Monitoring

Phase III

Analysis of spatial needs, number of location of core populations and connectivity.





 **Approximate
MGS Range**

