

Great Basin Pocket Mouse - *Perognathus parvus*

Abundance: Rare

Status: NSS3 (Bb)

NatureServe: G5 S2

Population Status: distribution is restricted but extirpation is not imminent; distribution is restricted to the southwest corner of Wyoming limited ability to increase species distribution; The IUCN considers the rangewide population to be stable.

Limiting Factor: Habitat (and Ecology): limiting factors are severe; species has limited ability to disperse long-range and occupy potentially suitable habitats

Comment:

Introduction

The Great Basin pocket mouse occurs throughout the Great Basin from south-central British Columbia south to southern California and northern Arizona. It occurs only in the southwestern corner of Wyoming and is considered rare.

Habitat

The Great Basin pocket mouse is found in arid and semiarid habitats. It is strongly associated with sandy habitats where sagebrush is dominant, and primarily occupies steppe and arid open shrub and woodland habitats. It also may be abundant locally in rocky areas.

Problems

- h No ongoing efforts to delineate important habitats in Wyoming.
- h Population densities and trends are not well known.
- h Species may be impacted by management strategies in shrub-grasslands, that reduce grass production and seed set.

Conservation Actions

- h Conduct inventories for species in all suitable habitats in the state.
- h Delineate important habitats and work cooperatively with land management agencies to maintain these within the designated areas
- h Design vegetation treatments, fire management plans, and grazing regimes in habitat that mimic and restore natural landscape patterns and disturbance processes, maintain habitat connectivity, and maintain the native composition of herbaceous plant and shrub communities that are important for seed crops.

Monitoring/Research

No on-going monitoring.

Recent Developments

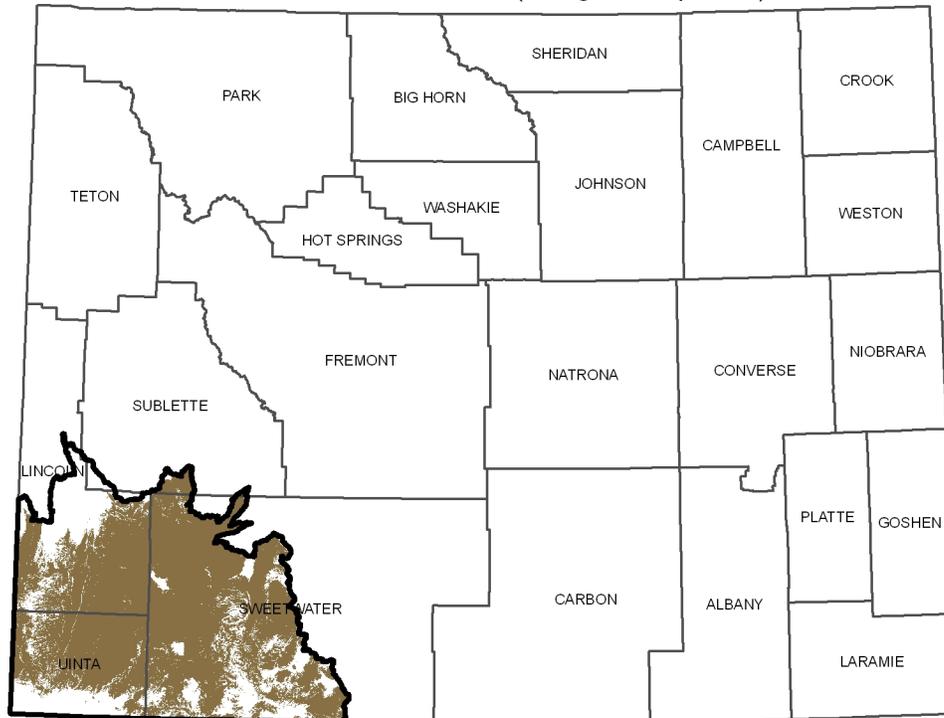
Project is being conducted by UW COOP Unit and WGFD in southwestern Wyoming funded by SWG.

References

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Verts BJ, Kirkland GL. 1988. *Perognathus parvus*. *Mammalian Species* 320:1-4.

Wilson DE, Ruff S. 1999. *The Smithsonian book of North American mammals*. Washington: Smithsonian Inst Pr. 750 p.

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SOURCE: Digital maps of ranges and predicted distributions for Wyoming Species of Greatest Conservation Need: April 2010. Wyoming Natural Diversity Database. University of Wyoming, Laramie, Wyoming. Note that brown indicates the predicted distribution of the species; heavy black lines indicate outermost boundaries of possible occurrence.