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## Vulnerability of Species to Climate Change in the Southwest: Threatened, Endangered, and At-Risk Species at Fort Huachuca, Arizona

By United States Department of Agriculture

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Future climate change is anticipated to result in ecosystem changes, and consequently, many species are expected to become increasingly vulnerable to extinction. This scenario is of particular concern for threatened, endangered, and at-risk species (TER-S) or other rare species. The response of species to climate change is uncertain and will be the outcome of complex interactions and processes. Nevertheless, a simple flexible strategy is needed to help integrate climate change into management planning and actions. This assessment uses SAVS, a vulnerability scoring tool based on ecological principles, to rank individual species of interest within the Fort Huachuca region according to predicted climate change responses and associated population declines balanced with responses expected to incur resilience or population increases. Further, specific areas of vulnerability, research needs, and management implications are identified for each species. Based solely on predicted response to climate change, northern Mexican gartersnake and southwestern willow flycatcher are the most vulnerable to population declines. Results also suggest that climate change will make management of some TER-S more difficult. Several critical management areas are identified that can mitigate...

### Reviews

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