Scaled Quail in New Mexico

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Photo: Mark Watson
Scaled Quail Range

Estimated Rangewide Population

5,000,000*

*PIF Estimation
Scaled Quail Rangewide Population Trends

67% Rangewide decline

-3.47% decline trend
Scaled Quail In New Mexico

Estimated Statewide Population
900,000*

Estimated Percent of Global Population
16.3%*

*PIF Estimation
Scaled Quail Population Trend In New Mexico

USGS-BBS
Threats to Scaled Quail in New Mexico

- Severe weather events
- Loss of herbaceous understory
- Woody encroachment
- Brush clearing

Photo: James Stewart
Threats - Severe Weather
Threats - Severe Drought

Palmer Drought Severity Index
June, 2013
Threats - Severe Drought

Change in Maximum Number of Consecutive Dry Days

Projected Precipitation Change by Season

Higher Emissions (A2)

Winter

Spring

Summer

Fall

Figures from: NOAA and Cooperative Institute for Climate and Satellites - NC
Scaled Quail: Habitat Requirements

Mixed desert grasslands and shrublands

- Mixed Scrub
  - Shrub
  - Grass
  - Bare Ground
- Annual Forbs

Photo: Jonathan Reitz
Other management considerations

- Range management
  - Maintaining Adequate Cover
Other management considerations

- Woody encroachment
  - Shrub Domination
  - Movement of juniper into savannah
Future Planned Research

- Reinstate Departmental Monitoring
- Prescribed fire and mesquite removal
  - Habitat use
  - Demographics
Knowledge gaps

- How specific habitat treatments affect habitat use and vital rates
- Impacts of climate change on population trends

Photo: James Stewart
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http://www.wildlife.state.nm.us/download/conservation/species/birds/
management-recovery-plans/New-Mexico-Quail-Management-Plan.pdf

Photo: Deb Whitecotten