





Edwards Air Force Base Mohave Ground Squirrel Camera Trapping Survey- Spring 2018

Mohave Ground Squirrel Technical Advisory Group Meeting 25 September 2018



Study Purpose



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 Assess the presence or absence of MGS at all locations within EAFB where MGS have been trapped in previous live-trap MGS studies.



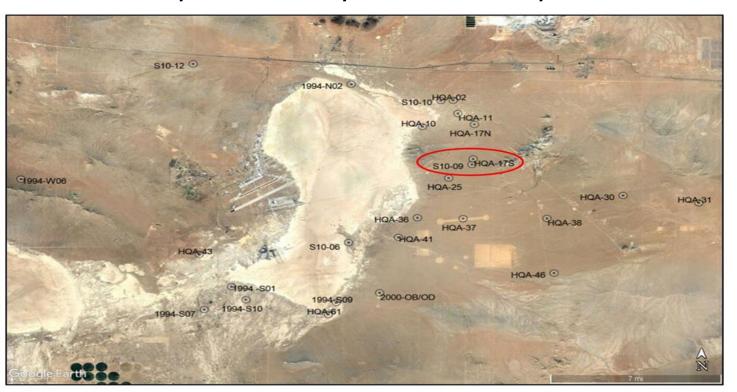
Study Plot Locations



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26 locations where MGS previously trapped identified

- 2 locations (S10-09 and HQA-17S) combined into one Study Plot (HQA-17S)
- Total of 25 Study Plots surveyed in this study





Methods



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Trail Camera Used:

 Bushnell Trophy Cam High Definition (HD) Aggressor
 Megapixel Low-Glow

• Bait Used:

- Peanut butter bait stick
- Seed mainly:
 - Purina Game Bird Block (20 lb.)
- Seed also used:
 - Garden Treasure Bird Seed Block (21 lb.)
 - Arizona's Best Quail Seed Block (21 lb.)





Results



- Photo review process ongoing
 1.7M photos 75% complete
- Observed MGS at 20 of 25 locations
- No juveniles observed
- Session 1: 11 Mar 24 Apr 18
- Session 2: 25 Apr 14 Jun 18

	Session 1	Session 2
1994-N02	NO	YES
1994-S01	YES	NO
1994-S07	YES	YES
1994-S09	YES	YES
1994-S10	YES	YES
1994-W06	NO	NO
2000-OB/OD	NO	NO
HQA-02	YES	YES
HQA-10	NO	NO
HQA-11	YES	YES
HQA-17N	YES	YES
HQA-17S/S10-09	YES	YES
HQA-25	YES	YES
HQA-30	YES	YES
HQA-31	YES	YES
HQA-36	NO	NO
HQA-37	YES	YES
HQA-38	YES	YES
HQA-41	YES	YES
HQA-43	NO	NO
HQA-46	YES	YES
HQA-61	YES	YES
S10-06	YES	YES
S10-10	YES	YES
S10-12	YES	NO



Interesting Observations



- Possible RTGS?
 - At first we thought so
 - Dr. Leitner reviewed photos
 - He concluded not RTGS
 - Occurred at beginning of photo review process demonstrates variance between individual MGS





Possible RTGS?



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Photos taken on same day - same location







Multiple MGS









Predation









Questions



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