

Motus Wildlife Tracking System

Desert National Wildlife Refuge Complex



https://motus.org/



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Desert National Wildlife Refuge Complex Motus Project (#377)

- Installed 5 hybrid CTT/Motus stations on four National Wildlife Refuges in southern Nevada.
- Project purposes:
 - Support the Western Motus Network
 - Meet short-term and long-term landbird research objectives
 - Fill critical information gaps for priority bird species and groups
 - Using Motus to address specific research questions on the Refuges, will vary by species and location.
 - Support research efforts by collaborators.
- The project will expand to include bats and other wildlife.



Desert NWR Motus Station











Ash
Meadows,
Moapa Valley
& Pahranagat
NWRs Motus
Stations









Station Installations on National Wildlife Refuges

- Station installed on Desert NWR in 2021
- Stations installed at Ash Meadows, Moapa Valley, and Pahranagat NWRs in 2022
 - Network of CTT Nodes installed at Moapa Valley NWR in 2023
- Other potential locations
 - Ruby Lake NWR: 2 stations
 - Stillwater NWR: planning for future stations?
 - Sheldon NWR?
 - NDOW WMAs and SPs
 - Private, NGO, Tribal lands

Motus Tag Detections on National Wildlife Refuges in Southern Nevada

- Ash Meadows NWR
 - Common Poorwill
 - Red Knot
 - Swainson's Thrush
 - Western Tanager
 - Wilson's Phalarope
- Desert NWR
 - Phainopepla
 - Le Conte's Thrasher
 - Western Tanager
 - Wilson's Phalarope
- Moapa Valley NWR
 - Phainopepla
- Pahranagat NWR
 - Western Tanager

Motus Station Installations in Nevada



GREAT BASIN BIRD OBSERVATORY

- Nevada Partners in Flight Group has established a Motus committee.
- Focus is local and regional research needs (birds and bats) while supporting the Western Network.
- Identified potential partners.
- Initiated state-wide coordination.
- Exploring opportunities to leverage funding and resources.
- Developing a strategic plan.

Motus Resources

Websites

- The PIF WWG Western Motus Prospectus: https://partnersinflight.org/resources/ /motus-initiative/wwg-motus-prospectus 20181010/
- Motus Wildlife Tracking System: <u>https://motus.org/</u>
- Cellular Tracking Technologies: https://celltracktech.com/
- Lotek: https://www.lotek.com/

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Thank you!



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