



**Ironwood**  
Consulting

## Biological Studies Services

*From desert tortoise demographic studies to avian sampling and jurisdictional water delineations, our skilled biologists are able to provide a wide spectrum of surveys for a variety of project types.*



Ironwood biologists have extensive experience studying desert tortoises within the Mojave and Colorado Deserts in California, Nevada, and Arizona. We have conducted surveys for numerous other special-status species including Mohave ground squirrel, least Bell's vireo, red-legged frog, western burrowing owl, and fairy shrimp.

Ironwood provides jurisdictional water and wetland delineations pursuant to the U.S. Army Corps of Engineers and California Department of Fish and Wildlife guidelines. We remain abreast of recent cases in environmental law that influence protocols and procedures for biological studies.



Ironwood conducts focused surveys for threatened and endangered plant and wildlife species throughout California. We provide a wide spectrum of surveys including:

- Habitat assessments
- Vegetation community maps
- Botanical inventories and rare plant surveys
- Jurisdictional delineation
- Insect and invertebrate surveys and inventories
- Nesting surveys, Point counts
- Avian mortality monitoring
- Reptile and amphibian inventories
- Desert tortoise surveys and translocation
- Small mammal trapping
- Kit fox relocation



### Ironwood's Benefits

- Wildlife agency personnel trust Ironwood's 35+ years of experience
- Ironwood has a proven track record of managing permitting and compliance services on multiple large-scale projects with no tortoises harmed
- We have a large pool of mobile and experienced biologists so we can quickly adapt to changing construction schedules
- Ironwood is focused on designing programs that balance the welfare of the biological resources and our client's development needs
- With an injury-free record, we are committed to our own safety standards and adhere to our client's safety standards
- Our advanced database tracks work on all resources supplying up-to-date information for accurate and efficient reporting to clients and agencies

**Ironwood Consulting Inc.** (Ironwood), an environmental consulting firm founded in 2008, specializes in biological resource management, environmental impact assessment, regulatory permitting, and monitoring services. The combined experience of Ironwood's partners is extensive, representing over 35 years of environmental consulting for a range of industries including military, utility, engineering, commercial, and residential infrastructure.

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