

TIFFANY J. PEREIRA
Assistant Research Scientist, Ecologist
Desert Research Institute
Earth and Ecosystem Sciences

Division of Earth and Ecosystem Sciences
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PROFESSIONAL PREPARATION

University of Southern California	Los Angeles, CA	Environmental Studies	B.A.
University of Nevada, Las Vegas	Las Vegas, NV	Biological Sciences, Ecology and Evolutionary Biology	M.S.

OVERVIEW

Ms. Pereira is an ecologist and scientific illustrator specializing in the flora and fauna of the desert southwest. She has > 9 years of experience specializing in natural resource management, including: vegetation, wildlife, protected and sensitive species, invasive species and springs & seeps. She has extensive field surveying and monitoring experience as well as technical writing experience for local, state, and federal reporting. She has implemented and/or helped developed protocols and monitoring plans for multiple federal agencies. Her basic research focuses on flora and fauna interactions, seed ecology and germination, rare, threatened and endangered species, as well as evaluating long-term change in soil seed banks, fertile islands, and plant communities of conservation-priority desert habitat. As both a researcher and artist, she is also interested in graphic design and illustration for science communication. She provides these services, along with outreach and educational services to DRI and local agencies. She has completed illustration commissions for the Nevada State Museum, Las Vegas, research publications, and private entities.

PROFESSIONAL EXPERIENCE

2019 – Present *Assistant Research Scientist*, Desert Research Institute (DRI), Division of Earth and Ecosystem Sciences, Las Vegas, NV.

2017 – 2019 *Graduate Teaching Assistant*, University of Nevada, Las Vegas (UNLV), School of Life Sciences, Las Vegas, NV.

2016 – 2016 *Environmental Specialist II*, SWCA Environmental Consultants, Las Vegas & NTTR, NV (*seasonal position to start graduate level coursework*)

2015 – 2016 *Field Biologist*, Knight and Leavitt Associates, Las Vegas, NV.

2014 – 2015 *Wildlife Biologist*, Redhorse Corporation, DPW Environmental Division. Fort Irwin, CA

2012 – 2013 *Desert Environmental Technician*, Aerotek, Moapa Southern Paiute Solar Project, Moapa, NV

- 2011 – 2012 *Natural Resource Management Intern*, National Park Service (NPS), American Conservation Experience, Boulder City, NV.
- 2011 – 2011 *Conservation Intern*, Bureau of Land Management, American Conservation Experience, Alpaugh, CA.
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PUBLICATIONS AND PRESENTATIONS

- **Pereira, T. J.**, Chiquoine, L. O., Larranaga, A. J., Abella, S. R. (2021). Seed germination of a rare gypsum-associated species, *Arctomecon californica* (Papaveraceae), in the Mojave Desert, *Journal of Arid Environments*, 184, 104313, <https://doi.org/10.1016/j.jaridenv.2020.104313>
 - **Pereira, T. J.**, Jones, K. B. (2020). Wildlife Strike Vulnerability Assessment for Airfields on the Tonopah Test Range, Nevada, DRI Publication No. 71003
 - **Pereira, T.J.** (2020). Biological Resources Survey Report for a Proposed Temporary Tower and Cabling on the Nevada Test and Training Range, Nevada. Submitted to: United States Air Force DAF/Tonopah Test Range Operations Office. Las Vegas, NV.
 - **Pereira, T. J.**, Abella, S. R. (2019). The Art of Science: Using Soil Seed Bank Research and Scientific Illustration to Create a Novel Identification Guide for Mojave Native Plants, Society for Ecological Restoration, Southwest Chapter Annual Conference: Tucson, Arizona, November 8, 2019- November 10, 201
 - **Pereira, T.J.** (2015). Annual Monitoring of Lane Mountain Milkvetch (*Astragalus jaegerianus*) at Fort Irwin, CA. Submitted to: Natural and Cultural Resource Program Manager. DPW Environmental Division. Fort Irwin, CA.
 - **Pereira, T.J.** (2015). Annual Monitoring of Desert Cymopterus (*Cymopterus deserticola*) at Fort Irwin, California, CA. Submitted to: Natural and Cultural Resource Program Manager. DPW Environmental Division. Fort Irwin, CA.
 - **Pereira, T.J.** (2014). Fort Irwin Springs and Seeps Monitoring Report, 2014. Submitted to: Natural and Cultural Resource Program Manager. DPW Environmental Division. Fort Irwin, CA.
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HONORS, AWARDS & FUNDING

- UNLV Graduate Student Showcase Finalist, 2018
- Graduate Professional Student Association Research Sponsorship, 2018
- UNLV 3-Minute Thesis Competition, Semifinalist, 2017
- USC Discovery Scholar Distinction and USC Global Scholar Distinction, 2011
- 2nd Place in Fine Arts Category, USC Undergraduate Research Awards, 2011
- Independent Study: Los Angeles River Case Study in Fine Arts and Environmental Studies
- Student Opportunities for Academic Research Grant, 2010
- Summer Undergraduate Research Fund Grant, 2008
- (PI) USACOE / CP CESU - Natural Resources Mgmt. Support at Ft. Hunter Liggett & Parks Reserve Forces Training. \$89,906.00

- (Co-PI) DOI-BLM/GSA: Goblin State Park Expansion Threatened & Endangered Plant Survey. \$156,092.00
- (PI) DOI NPS - Botanical Illustration for Outreach and Education. \$7,067.00
- (PI) Traditional Section 6 Grants Cooperative Agreement with the US Fish and Wildlife Service. \$89,049.00
- (PI) Tule Springs Fossil Beds Desert Tortoise Vulnerability Study. \$54,701.00

SCIENTIFIC ILLUSTRATION

- Pereira, T. J. (2020). Scientific Illustration (Graphical Abstract): From satellites to frogs: Quantifying ecohydrological change, drought mitigation, and population demography in desert meadows, *Science of The Total Environment*.
- Pereira, T. J. (2020). Scientific Illustration (Graphical Abstract): Toxic time bombs: Frequent detection of anticoagulant rodenticides in urban reptiles at multiple trophic levels, *Science of the Total Environment*
- Pereira, T. J. (2020). Scientific Illustration (Graphical Abstract): Toxic time bombs: Frequent detection of anticoagulant rodenticides in urban reptiles at multiple trophic levels, *Science of the Total Environment*
- Pereira, T. J. (2017). Scientific Illustration (Figures): Systematic Approach to Isolating *Batrachochytrium dendrobatidis*, *Diseases of Aquatic Organisms*, 127 (3), 243-247,
- Pereira, T. J. (2014). Scientific Illustration (Museum Exhibit): Morning After the Storm: A Cretaceous Flood Plain Comes Alive (Oil on canvas), Nevada State Museum, Las Vegas Permanent Exhibit

PROFESSIONAL AFFILIATIONS

2018 – Present	<i>Member</i>	Society for Ecological Restoration (SER)
2018 – Present	<i>Lecturer and Volunteer</i>	The University of Nevada Cooperative Extension
2018 – Present	<i>Lecturer and Member</i>	Nevada Native Plant Society
2020 – Present	<i>Board Member, NV Rep.</i>	SER Southwest Chapter

CERTIFICATIONS AND/OR PERMITS

- Authorized DT Biologist approval as needed (2012 – 2016)
- Nevada Department of Wildlife Scientific Collection Permit for NTTR (2020)
- Nevada Division of Forestry Scientific Research and Collection Permit for Tule Springs Fossil Beds National Monument (2020)
- U. S. Fish and Wildlife Service Migratory Bird Salvage Permit for NTTR (2020)