**LEAH TSOSIE**

tsosie@outlook.com 520.621.2588 http://www.linkedin.com/pub/leah-tsosie

**SUMMARY OF QUALIFICATIONS**

**Example of a resume reduced from a long CV for a Ph.D. student seeking jobs outside of academia. Looking for a CV example? See our resources & tools on our website, career.arizona.edu**

* fire, plant, soil and restoration ecology, and natural resource policy knowledge
* experience creating and maintaining sustainable ecological systems
* DNA extraction, PCR, gel electrophoresis, plant and soil analysis lab techniques
* esri ArcGIS for Desktop 10.1, Access, Adobe Photoshop, web applications, analytics
* grant writing, technical scientific writing, budget and project management
* fluent in Spanish and Navajo (Diné Bizaad)

**EDUCATION**

University of Arizona, Tucson, AZ

**Ph.D. in Natural Resources Management, May 2016**

Wildlife and Fisheries Conservation and Management

Dissertation: *“Climate Impact on Fire Severity in Western National Parks”*

Alfred P. Sloan Foundation Indigenous Graduate Partnership, 2012-present Science Foundation Arizona Graduate Research Fellows, 2012-present

M. S. in Natural Resources Management, August 2013 Graduate Certificate in Geographical Information Systems

Thesis: *“Impact of Fire Severity on Forest Recovery in Santa Catalina Mountains”*

Cornell University, Ithaca, NY

B. S. in Biology, Plant Sciences Minor, May 2010 **RESEARCH AND ENVIRONMENTAL EXPERIENCE**

**University of Arizona**, **Fire and Restoration Ecology Lab,** Tucson, AZ, August 2013-May 2016 Graduate Assistant, Advisor: Donald Falk, Ph.D.

* Researched effects of fire severity on recovery of forest communities.
* Sampled 65 0.1 Hectare plots for variables such as shrub cover by species, diameter breast height by species of trees, and identified seedlings and saplings.
* Trained and supervised field crew for work in remote conditions for 5 days at a time.
* Organized and analyzed data related to restoration project.
* Communicated with key media personal and press coverage reports on project.

**Cornerstone Environmental Group, LLC**, Intern, Tucson, AZ, September 2013-May 2014

* Worked on team developing environmental impact statement for a facility permit request.
* Analyzed reports, maps, environmental data and aerial photographs to support team project.
* Adhered to federal, state and local regulations for environmental compliance of site.

**U.S. Peace Corps**, Environment Volunteer Leader, Dominican Republic, November 2012-July 2013

* Coordinated network of 50 environmental youth groups for conferences and activities.
* Helped volunteers coordinate projects for improved cook stoves, latrines, and gardens.
* Aided volunteers in finding, writing, and reviewing grants and other funding opportunities.

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**RESEARCH AND ENVIRONMENTAL EXPERIENCE continued**

**U. S. Peace Corps**, Community Environment Volunteer, Dominican Republic, March 2011-October 2012

* Researched and marketed community initiated sustainable business projects.
* Established water committee to educate and address water, sanitation and fishing needs in community (including latrines, fresh water access, and water testing in lagoons).
* Organized environmental youth group to educate others about the environment through talks, a radio show, organizing community cleanups, tree plantings and hikes.

**U.S. Geological Survey**, Biological Science Technician, Lander, WY, May 2009-January 2010

* Mapped vegetation changes from anthropogenic features for use in research on the effect of soil disturbances on non-native plant invasion using ArcMap and GPS.

**Cornell University, Soil Ecology Lab**, Research Assistant, Ithaca, NY, March 2008-May 2009

* Managed Red Clover rhizobia genetics project using advanced lab techniques: DNA extraction, PCR, gel electrophoresis, and particulate organic matter analysis of soils.

**Everglades National Park**, Biology/Botany Intern, Homestead, FL, June 2008-August 2008

* Investigated the relationship between fire and invasive tree species in hammocks.
* Mapped exotic and rare plants using ArcView GIS software.

**Cornell University, Plant Genetics Lab**, Research Assistant, Ithaca, NY, August 2007-May 2008

* Extracted DNA from *Arabidopsis thaliana* mutants for analysis.
* Collected hybridized seeds from mutant plants for seed bank and planting in greenhouse.

**VOLUNTEER SERVICE**

**Firewise Communities**, Communicator, Mount Lemmon, AZ, March 2013-present

* Served as an educational resource during community education and outreach events for wildfire preparedness to help residents reduce loss of life and property.

**Sky Island Alliance**, Volunteer, Tucson, AZ, October 2013-April 2015

* Collected data on plants, wildlife, riparian areas and landscape erosion using GPS, cameras and topographical maps to assist with public land management planning.

**The Nature Conservancy**, Volunteer, Fire Adapted Communities Coalition, Prescott, AZ, May 2014

* Promoted neighborhood collaboration to raise wildfire hazard awareness, protect property and assist with post-fire impacts during National Wildfire Community Preparedness Day.

**Navajo Nation Tribe**, Volunteer, Church Rock Chapter, Church Rock, NM, July-August 2013

* Conducted field research with team of scientists for uranium clean-up program.

**SELECTED PUBLICATIONS** (complete list available)

Tsosie, L.A. *Ten Years of Recovery of Forests in the Catalina Mountains After Bullock and Aspen Fires*. 2014. Ecological Restoration. 48: 52-68.

Tsosie, L.A., *Treatment of Schinus terebinthifolius in Everglades National Park, Effective Management Strategies.* 2011. Applied Soil Ecology, 50: 14-20.