

Will Jaremko-Wright, M.S.

Taos County Agricultural/4-H Extension Agent
Cooperative Extension Service
New Mexico State University

202 Chamisa Rd Ste B
Taos, NM 87571
(575) 613 8235
wjaremkowright@nmsu.edu

EDUCATION

MS, Environmental Science & Management 2015
NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas, NM
Master's Thesis: *Juniper population growth and avian frugivore dispersal ecology in northeastern New Mexico rangelands.*
GPA: 4.0, *Cum Laude*

Graduate Certificate in Geographic Information Systems (GIS) 2013
NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas, NM
Capstone Project: *Burn severity modeling and fire severity across different geomorphic and land-cover types in the Las Conchas Fire; Jemez Mountains, NM.*

BS, Forestry 2011
NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas, NM
Senior Project: *Forest inventory and Management Plan on a private conservation easement in San Miguel Co., New Mexico*
GPA: 3.67

Education Work Experience

TAOS COUNTY COOPERATIVE EXTENSION SERVICE 2023-Present
NEW MEXICO STATE UNIVERSITY, Taos, NM
County Director
Agricultural & 4-H Agent
Development, coordination and teaching of agricultural and community development programs for Taos County as part of the NMSU Cooperative Extension Service.

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas, NM 2016-Present
Instructor
Dept of Natural Resource Management
Dept of Biology
Lecturer and laboratory instructor for,

- Survey of Earth Science (GEOL1110)
- Ecology and Evolution (BIOL2620)
- Intro to GIS Technology (GEOL2350)
- Humans & Ecosystems (FORS1110)
- General Biology 1 (BIOL1110)
- Conservation Biology (BIOL1170)
- Earth History (GEOL2110)
- Ornithology (BIOL4350)

Hermits Peak Watershed Alliance, Las Vegas, NM 2019-2025
Natural History & Birding Tour Leader
Lead birding and natural history tours of age cohorts ranging from ages 5-85 through a New Mexico Outdoor Recreation Grant and other external grants. Developed materials for further experiential learning both during tours and at home.

NEW MEXICO STATE UNIVERSITY, Las Cruces, NM 2019
Adjunct Faculty Instructor
Instructor for Avian Field Ecology (FWCE 430).

LUNA COMMUNITY COLLEGE, Las Vegas, NM

2015-2016

Faculty Instructor

Lecturer and laboratory instructor for,

- Physical Geology
- Earth History
- Environmental Science
- General Physics
- General Chemistry
- Conceptual Physics

SANTA FE WALDORF HIGH SCHOOL, Santa Fe, NM

2013-2016

Guest Instructor in Forest Ecology

Classroom and field instructor for annual one-week 10th grade forest ecology course.

NEW MEXICO FOREST & WATERSHED RESTORATION INSTITUTE, Las Vegas, NM

2011

GIS Instructor

Instructor of GPS & GIS applications as part of a multi-week intensive forest management community class.

NATURAL RESOURCE MANAGEMENT EXPERIENCE

Cornell Land & Cattle Co/Sol Ranch, Wagon Mound, NM

2020-2022

Ranch Hand

General ranch duties on a cow-calf and grass-finished beef operation. Duties included animal care, feeding, handling, and hauling of cattle, goats, and horses, spring works, fence maintenance, electric fence construction, vehicle maintenance, beef inventory management, GIS curating, and construction of erosion control 'Zeedyk' structures. Involved with several NM Healthy Soil Program grants, WSARE, and Quivira Coalition workshops.

Rio Mora National Wildlife Refuge, Watrous, NM

2016-2021

Avian Research Coordinator

Coordinated and conducted research involving breeding grassland bird habitat use in response to bison, cattle, and ungrazed rangeland treatments. Work duties involved conducting avian point counts and vegetation transects as well as training field technicians for bird point counts and vegetation monitoring. Project funded and in collaboration with Rio Mora NWR and Denver Zoological Foundation.

Bird Conservancy of the Rockies, Fort Collins, CO

2018-2020

Avian Point Count Technician

Conducted avian point counts and habitat assessments for long-term monitoring project throughout the Southern Great Plains (NM, TX, OK, KS, NE). Work included working directly with landowners for coordination of surveys on private lands.

USFS Rocky Mountain Research Station, Tucson, AZ

2014 - 2015

Biological Science Technician

Conducted avian point counts and vegetation sampling as part of a long-term research project investigating effects of wildfire and climate change on avian communities in the Sky Islands region of southeastern Arizona.

O'Connor Ranch, Las Vegas, NM

2011-2013

Ranch Hand

General ranch tasks, tree thinning, fence projects. NRCS EQIP project implementation.

New Mexico Forest & Watershed Restoration Institute, Las Vegas, NM

2011- 2013

Monitoring Field Crew Leader

Conducted pre- and post-treatment forest monitoring on a variety of USFS, BLM, State, and Tribal projects. Used a variety of standardized vegetation monitoring methods depending on project type and ownership. Work also involved coordinating site visits and field logistics.

Tierra y Montes Soil & Water Conservation District, Las Vegas, NM

2010

Intern through USDA ARMAS Program

Assisted Steve Reichert in the design and implementation of low-cost soil erosion control structures (aka Zeedyk Structures) in the Las Vegas, Rociada, Sapello areas.

Coconino National Forest, Mormon Lake Ranger District, Flagstaff, AZ
Forestry Technician (Timber Marking, Cruising, Sale Prep)

2009-2010

Member of marking crew that was responsible for implementing silvicultural prescriptions on forest health, Goshawk habitat improvement, and wildfire risk mitigation projects. Certified Timber Cruiser I.

Office of the State Engineer/New Mexico Highlands University
Acequia Monitoring Technician

2008

Measured staff gauge height and discharge rates on acequias and live-streams within the Gallinas River watershed to develop correlations between gauge heights and discharges in conjunction with OSE.

RESEARCH & PUBLICATIONS

Jaremko-Wright, W. 2025 (In Preparation). One-seed juniper nurse plant effectiveness on woody species diversity and conspecific seedling growth rates.

Jaremko-Wright, W., Bentson, K. 2025 (In Preparation). Juniper population age structure in actively expanding *J. monosperma* savannas: Insights into regeneration waves.

Jaremko-Wright, W., Bentson, K. 2025 (In Preparation). Avian seed disperser habitat use in actively expanding *J. monosperma* savannas.

Rivas, J., and Jaremko-Wright, W. 2023. Bottom-up factors affecting pregnancy rate of green anacondas (*Eunectes murinus*): trophic level interactions in a hyperseasonal tropical system. *Frontiers in Ecology & Evolution* 11

Jaremko-Wright, W. 2021. An Overview of Avian Research and Monitoring at Rio Mora NWR. Paper Presentation, New Mexico Ornithological Society 58th annual meeting (March 2021), Zoom.

Jaremko-Wright, W. 2017. Woodland architects and their obligates: dynamic responses of Piñon-Juniper birds to climate, disturbance, and vegetation shifts. Keynote Address, New Mexico Ornithological Society 55th annual meeting (April, 2017), Las Vegas, NM

Jaremko-Wright, W. 2016. A Tale of Two Species: The Positive Feedbacks of Avian Seed Dispersal Between Two-needle Piñon Pine and One-seed Juniper. Paper Presentation, New Mexico Ornithological Society 54th annual meeting (April 2016), Albuquerque, NM

Jaremko-Wright, W. 2015. Juniper population growth and avian frugivore dispersal ecology in northeastern New Mexico rangelands. MS Thesis, New Mexico Highlands University, Las Vegas, NM

Jaremko-Wright, W. 2014. Grasslands, cows, berries, and birds: The role of thrush habitat selection in the dispersal ecology of actively expanding juniper savannas in northeastern New Mexico. Paper Presentation, Wildlife Society and American Fisheries Society Joint Annual Meeting, (February 2014), Pine-Top, AZ

Jaremko-Wright, W. 2013. The role of wintering frugivores in the dispersal ecology of one-seed juniper in northeastern New Mexico rangelands. Paper Presentation, New Mexico Ornithological Society 51st annual meeting (April, 2013), Silver City, NM

Jaremko-Wright, W., and Zebrowski, J.P. 2012. Burn Severity Modeling and Fire Severity across Different Land-Cover Types in the Las Conchas Fire; Jemez Mountains, NM. Paper Presentation, Southwest Users Group Annual Meeting (October, 2012), Albuquerque, NM

Jaremko-Wright, W. and Zebrowski, J.P. 2011. Comparison of functional GIS habitat models for Rocky Mountain Bighorn Sheep (*Ovis canadensis canadensis*) in Northern New Mexico. Paper Presentation, New Mexico Wildlife Society Chapter Meeting (October, 2011), Albuquerque, NM

STEM EDUCATION OUTREACH

Geology in the Classroom & Field trips – Mora Middle School (Mora, NM) – afterschool geology programs funded in part with ESSER funds in collaboration with Mora Mainstreet. 6 sessions contacting approximately 80 middle school students, Spring/Fall 2022

Field Ecology Day Camps (Mora, NM)– 2 All-day Field Ecology camps focusing on identification and monitoring ecosystem health funding in part with ESSER funds in collaboration with Mora Mainstreet. 2 sessions contacting approximately 25 middle school students. Camps were conducted at Rio Mora NWR and Coyote Creek SP, Summer 2022

Birding and Natural History Field Guide – New Mexico Acequia Association Summer Camp at Los Luceros SHS, July 2019

Birding Field Trip Leader – Sangre de Cristo Audubon Society: Las Vegas NWR, Maxwell NWR, Rio Mora NWR, 2016 - 2019

Field Trip and Natural History Interpreter with subjects in; Playa Lake Ecology, Bird ID, Plant ID, Geology of Northeast New Mexico. Friends of Las Vegas NWR, 2012 - 2022

Field Trip Leader covering subjects in: geology and plant-soil relationships with Las Vegas Area home-school group (Ages 5-16), Summer 2016

PROFESSIONAL MEMBERSHIPS

National Association of County Agricultural Agents

National Association of Extension 4-H & Youth Development Professionals

New Mexico Ornithological Society, (Board of Directors, 2018-2022)

New Mexico Acequia Association

PROFESSIONAL DEVELOPMENT

Holistic Management International	Spring 2021
Introduction to Holistic Management Course (completed)	
SOMOS STEM/New Mexico Highlands University	Fall 2022
Culturally Responsive STEM Education Course	
Beef Quality Assurance Certification	Fall 2023
Produce Safety Alliance PSA Grower Training Certification	Fall 2023
Produce Safety Alliance PSA Grower Certified Trainer	Spring 2024
Certified Extension Professionals (NM Edge Program)	In Progress
New Mexico State University	
Western Regional 4-H Institute, Las Vegas, Nevada	Spring 2025

Language Skills

Spanish (Spoken) – Intermediate

Spanish (Written) – Intermediate