

## **PUBLICATIONS FROM THE DESERT STUDIES CENTER (updated April 2025)**

### **Graduate Dissertations and Theses**

Acord, J. 1989. A gravity study of the Soda-Avawatz Fault Zone, San Bernardino County, California. MS thesis, CSU Bakersfield.

Archbold, C.A. 1996. Habitat evaluation for the Mojave tui chub (*Gila bicolor mohavensis*). MS thesis, CSU Fullerton.

Archdeacon, T.P. 2007. Effects of Asian tapeworm, mosquitofish, and food ration on Mohave tui chub growth and survival. MS thesis, University of Arizona.

Armstrong, C. 2019. The effect of precipitation on copy number of nitrogenase gene nifH in soil bacteria in the Mojave Desert. MS thesis, CSU San Jose.

Bardsley, A.C. 2009. Luminescence dating of ceramics from archaeological sites in the Soda Lake region of the Mojave Desert. MA thesis, CSU Long Beach.

Barthel, P.S. 2008. Water budget and hydrogeologic model of spring flow at Limestone Hill, Zzyzx Desert Studies Center. MS thesis, CSU Fullerton.

Beres, P.L. 1984. Acid-sulfate tolerant range plants for sulphide-mine reclamation in the Great Basin. MS thesis, University of Nevada, Reno.

Boltas, D.K. 1999. Anti-snake behavior in two species of kangaroo rat (*Dipodomys ingens* and *D. deserti*): a comparative study MS thesis, San Francisco State University.

Boyle, T.K. 2001. Ventifact formation, Little Cowhole Mountain, east-central Mojave Desert. MS thesis, CSU Northridge.

Brown, W.J. 1989. The Late Quaternary stratigraphy, paleohydrology, and geomorphology of pluvial Lake Mojave, Silver Lake, and Soda Lake Basins, southern California. MS thesis, University of New Mexico.

Carpenter, G.A. 1984. Disturbance or destruction: An evaluation of environmental impact laws: Case Study: SBr-363. MA thesis, CSU Fullerton.

Clark, A. 2001. Sedimentological and morphological characteristics of stable and degraded nebkhas along the Mojave River, California. MA thesis, CSU Northridge.

Dang, A. 2021. Pollinator return on investment in Joshua tree -yucca moth obligate mutualism. MS thesis, CSU Northridge.

Dirling, R.B. 1997. Feasibility of West Pond as Mohave tui chub habitat at Soda Springs. MS thesis, CSU Fullerton.

Duffield, A.Q. 1985. The Mojave Road Survey Project: Historic Archaeology in the Mojave Desert. MS thesis, CSU Fullerton.

- Enzel, Y. 1990. Hydrology of a large, closed arid watershed as a basis for paleohydrological and paleoclimatic studies in the Mojave River drainage system, southern California. PhD dissertation, University of New Mexico.
- Fowler, M. 2010. Small mammal community structure in response to post-fire vegetation changes in the Mojave National Preserve. MS thesis, CSU Fullerton.
- Garron, K.A. 2006. Population status of the endangered Mohave tui chub (*Siphateles bicolor mohavensis*) at Lake Tuendae, Zzyzx, California. MS thesis, CSU Fullerton.
- Gittins, B.T. 1965. Capsule variation in *Isomeris arborea* (Nutt). MS thesis, CSU Fullerton.
- Gourley, J.R. 2000. Facies analysis of neogene syntectonic strata in the Soda Mountains, San Bernardino County, California: implications for constraint on faulting on the Soda-Avawatz fault zone. MS thesis, CSU Fresno.
- Hamilton, M.J. 1996. Ecological correlates of protein polymorphisms in a desert and non-desert population of *Belonia saturata* (Odonata: Anisoptera). MS thesis, CSU San Bernardino.
- Helmer, W. 2016. The Pahrump Paiute-Euroamerican Frontier Region, 1830-1882. MS thesis, CSU Chico.
- Henkanaththegedara, S.M. 2011. Ecological complexity of non-native species impacts in desert aquatic systems. PhD dissertation, North Dakota State University.
- Henry, J.R. 2011. A comparative study of dragonfly flight in variable oxygen atmospheres. MS thesis, Arizona State University.
- Herman, C.S. 1998. The effect of mammalian predator scent on the foraging behavior of *Dipodomys merriami*. MS thesis, CSU Northridge.
- Hettiarachchi, T. 2024. Taxonomic studies of western North American Lasioglossum (*Hemihalictus*) and a problematic *L. (Sphecodogastra)* species complex. MS Thesis, University of Manitoba (Canada).
- Jarvis, J.M. 2009. The natural history of the Mojave fringe-toed lizard, *Uma scoparia*: The northern lineage, Amargosa River, CA. MS thesis, CSU Fullerton.
- Macias, M.A. 2017. Quantification of plant water uptake from pulsed input via disturbed and undisturbed channels on a desert bajada. MS thesis, CSU Fullerton.
- McDonald, E.V. 1994. The relative influence of climatic change, desert dust, and lithologic control on soil-geomorphic processes and soil hydrology of calcic soils formed on Quaternary alluvial-fan deposits in the Mojave Desert, California. PhD dissertation, University of New Mexico.
- Mincher, H.E. 1984. Geological and limnological studies of the origin of the waters at Soda Springs, Mojave Desert, California. MS thesis, CSU San Bernardino.
- Mulhearn, R. 2024. Photographic uncertainty in the everyday: keeping unknowing states present in the making, sequencing, and presentation of photographic images. PhD dissertation, University of Huddersfield (UK).

Newlander, A. 2013. Wash flow disturbance and summer wash flow in the Mojave Desert: Influence on dispersion, production, and physiological functioning of dominant shrubs. MS thesis, CSU Fullerton.

Nichols, D. 2004. Managing cultural resources in the Mojave National Preserve: Prehistoric site distribution at twelve perennial spring locations. MA thesis, Sonoma State University.

Odubela, A. 1979. Characterization and identification of an isolate of halobacterium from Soda Springs Mojave Desert. MS thesis, CSU San Bernardino.

Pietrasiak, N. 2012. Effects of land surface characteristics on pedogenesis, biological soil crust community diversity, and ecosystem functions in a Mojave Desert piedmont landscape. PhD dissertation, UC Riverside.

Polcyn, D.M. 1988. The thermal biology of desert dragonflies. PhD dissertation, UC Riverside.

Promisel, C.J. 1994. Heat shock proteins in Mojave Desert dragonflies. MS thesis, CSU San Bernardino.

Ramirez, R.W. Keeping your cool: Thermoregulatory performance and plasticity in desert cricetid rodents. MS thesis, University of New Mexico.

Reid, W. T. 1987. A critical analysis of eastern Mojave Desert temperatures. MA thesis, CSU Northridge.

Renault, C.E. 1989. Hillslope processes on Late Quaternary cinder cones of the Cima Volcanic Field, eastern Mojave Desert, California. MS thesis, University of New Mexico.

Revell, T.K. 1997. Arthropod diversity on creosotebush (*Larrea tridentata*) and desert saltbush (*Atriplex polycarpa*) in the east Mojave Desert. MS thesis, CSU Fullerton.

Ritter, J.B. 1986. The response of alluvial-fan systems to Late Quaternary climatic change and local base-level change, eastern Mojave Desert, California. MS thesis, University of New Mexico.

Skirvin, M.T. 1989. Late Cenozoic geomorphic and structural evolution of the Old Dad Mountain and Cima volcanic field areas, eastern Mojave Desert, California. MS thesis, University of New Mexico.

Sullivan, M.C. 2000. The social biology of the desert kangaroo rat (*Dipodomys deserti*)(Rodentia: Heteromyidae). MS thesis, San Francisco State University.

Sutton, C.R. 1991. An optimization model of foraging patch selection in the American Coot (*Fulica americana*). MS thesis, CSU Northridge.

Thomas, T.A. 2011. A landscape approach to late prehistoric settlement and subsistence patterns in the Mojave Sink. MA thesis, University of Nevada, Las Vegas.

Vicker, C.E. 1973. Aspects of the life history of the Mojave tui chub, *Gila bicolor mohavensis* (Snyder) from Soda Lake, California. MA thesis, CSU Fullerton.

Wallace, J.K. 2004. Population abundance and diversity of reptiles in the East Mojave, Soda Springs area (California). MS thesis, CSU Fullerton.

Williamson, T.N. 1995. The geomorphic evolution of Summit Valley, Mojave River Drainage Basin, southern California. MS thesis, UC Riverside.

Wood, Y.A. 2001. Mesoscale patterns of plant cover, soils, and surface mosaics of a Pleistocene desert pavement landscape, Cima Volcanic Field Mojave Desert, California. PhD dissertation, UC Riverside.

### **Undergraduate Theses and Reports**

Eeg, H., and Kirby, M. 2012. Early to late Holocene paleoclimate reconstruction using sediment cores from Silver Lake, Mojave Desert, California. NSM Dimensions 14:63. (CSU Fullerton)

Fowler, M., and Stapp, P. 2006. Foraging behavior of *Chaetodipus* pocket mice in response to predation risk. NSM Dimensions 8:11-18. (CSU Fullerton)

Kahn, P. 2006. An analysis of precipitation distribution in the eastern Mojave Desert. Senior Project, Geography Department, CSU Northridge.

Raudys, K., and D. Sandquist. 2011. Physiological differences of two desert shrubs across differently-aged substrates in the Mojave Desert. NSM Dimensions 13:45-48. (CSU Fullerton)

Sanchez, A.M, Rodriguez, K.M., Dunn, S.R., Jaramillo, A.M. and Koval, M.K. 2019. Effects of fire on a blackbrush and Joshua tree woodland in the Mojave Desert. NSM Dimensions 21:10. (CSU Fullerton)

Skjerve, C. 2019. Geological constraints on hydrology and endangered species habitat at the Desert Studies Center, Zzyzx, CA. OSR Journal of Student Research Vol. 5, Article 293. (CSU San Bernardino)

Tennant, D., and Stapp, P. 2013. Foraging behavior of kangaroo rats at artificial seed trays revealed by giving-up densities and remote cameras. NSM Dimensions 15:27. (CSU Fullerton)

White, B., and Stapp, P. 2011. Effects of artificial moonlight on the foraging behavior of desert rodents. NSM Dimensions 13:32-35. (CSU Fullerton)