

CAREER PUBLICATIONS

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Thesis and Dissertation:

- Travis, S. E. 1994. A molecular genetic analysis of social system dynamics and population structure in Gunnison's prairie dog. Ph.D. Dissertation, Northern Arizona University, Flagstaff.
- Travis, S. E. 1990. Resources and Sociality: Effects of food resource variations on the mating system of Gunnison's prairie dog (*Cynomys gunnisoni*). M.S. Thesis, Northern Arizona University, Flagstaff.

Peer-reviewed Publications:

- Travis, S. E., and P. Sheridan. Genetic structure of natural and restored shoalgrass (*Halodule wrightii*) populations in the northwestern Gulf of Mexico. *Marine Ecology Progress Series*: in press.
- Edwards, K. R., S. E. Travis, and C. E. Proffitt. 2005. Genetic effects of a large-scale *Spartina alterniflora* (smooth cordgrass) dieback and recovery in the northern Gulf of Mexico. *Estuaries*, 28:204-214.
- Proffitt, C. E. and S. E. Travis. 2005. Fine-Scale Mutational and Breeding System Effects of Environmental Contaminants on Red Mangroves in Tampa Bay, Florida. *Wetlands* 25:326-334.
- Travis, S. E., and M. H. Hester. 2005. A space-for time substitution reveals the long-term decline in genotypic diversity of a widespread salt marsh plant, *Spartina alterniflora*, over a span of 1,500 years. *Journal of Ecology* 93:417-430.
- Proffitt, C. E., R. L. Chiasson, A. B. Owens, K. R. Edwards, and S. E. Travis. 2005. *Spartina alterniflora* genotype influences facilitation and suppression of high marsh species colonizing an early successional salt marsh. *Journal of Ecology* 93:404-416.
- Ritland, K. and S. E. Travis. 2004. Inferences involving pairwise relatedness and individual inbreeding coefficients in natural populations: overview, and a comparative study of two British Columbia *Abies* species. *Forest Ecology and Management* 197:171-180.
- Travis, S. E., C. E. Proffitt, and K. Ritland. 2004. Population structure and inbreeding vary with successional stage in created *Spartina alterniflora* marshes. *Ecological Applications* 14:1189-1202.
- Egerova, J., C. E. Proffitt, and S. E. Travis. 2003. Facilitation of survival and growth of *Baccharis halimifolia* L. by *Spartina alterniflora* Loisel. in a created Louisiana salt marsh. *Wetlands* 23:250-256.
- Proffitt, C. E., S.E. Travis, and K. R. Edwards. 2003. Genotype and elevation influence *Spartina alterniflora* colonization and growth in a created salt marsh. *Ecological Applications* 13:180-192.
- Travis, S. E., C. E. Proffitt, R. C. Lowenfeld, and T. W. Mitchell. 2002. A comparative assessment of genetic diversity among differently-aged populations of *Spartina alterniflora* on restored versus natural wetlands. *Restoration Ecology* 10:37-42.
- Travis, S. E., K. Ritland, T. G. Whitham, and P. Keim. 1998. A genetic linkage map of pinyon pine (*Pinus edulis*) based on amplified fragment length polymorphisms. *Theoretical and Applied Genetics* 97:871-880.
- Travis, S. E., C. N. Slobodchikoff, and P. Keim. 1997. Evidence of population subdivision in Gunnison's prairie dog (*Cynomys gunnisoni*). *Journal of Mammalogy* 78:725-732.
- Keim, P., A. Kalif, J. Schupp, K. Hill, S. E. Travis, K. Richmond, D. M. Adair, M. Hugh-Jones, C. Kuske, and P. Jackson. 1997. Molecular evolution and diversity in *Bacillus anthracis* as detected by AFLP markers. *Journal of Bacteriology* 179:818-824.
- Keim, P., J. Schupp, S. Travis, C. Clayton, and D. Webb. 1997. A high-density soybean genetic map based primarily upon AFLP markers. *Crop Science* 37:537-543.
- Travis, S. E., J. Maschinski, and P. Keim. 1997. An analysis of genetic variation in *Astragalus cremnophylax* var. *cremnophylax*, a critically-endangered plant, using AFLP markers. *Molecular Ecology* 5:735-745.
- Travis, S. E., C. N. Slobodchikoff, and P. Keim. 1996. Social assemblages and mating relationships in prairie dogs: A DNA fingerprinting analysis. *Behavioral Ecology* 7:95-100.
- Travis, S. E., and P. Keim. 1995. Differentiating individuals and populations of mule deer using DNA.

- Journal of Wildlife Management* 59:824-831.
- Travis, S. E., C. N. Slobodchikoff, and P. Keim. 1995. Ecological and demographic effects on intraspecific variation in the social system of prairie dogs. *Ecology* 76:1794-1803.
- Schupp, J. M., S. E. Travis, R. F. Shand, L. B. Price, and P. Keim. 1995. A rapid bacterial permeabilization reagent that is useful for enzyme assays. *Biotechniques* 19:18-20.
- Travis, S. E., and C. N. Slobodchikoff. 1993. Effects of food resource distribution on the social system of Gunnison's prairie dog (*Cynomys gunnisoni*). *Canadian Journal of Zoology* 71:1186-1192.

Articles Submitted/Undergoing Revision:

- Travis, S. E., J. E. Baggs, and J. Maschinski. Using molecular and morphological data to elucidate historic and current patterns of introgression in an endangered shrub (*Purshia X subintegra*; Rosaceae). *Conservation Genetics*: in review.

Book Chapters:

- Travis, S., E. Proffitt, K. Edwards, G. Hartman, and G. Haigh. 2002. Text box 7.2: Ongoing dredged material marsh research in the Sabine National Wildlife Refuge. Pp. 81-82 in: Turner, G. and W. Streever, Approaches to coastal wetlands restoration: northern Gulf of Mexico. SPB Academic Publishing, The Hague.

Reports:

- Travis, S. E., 2003, Hurricane Mitch: Population genetic structure of Pacific white shrimp from the Gulf of Fonseca, Honduras. USGS Open-File Report 03-174.
- Travis, S. E., C. E. Proffitt, and K. R. Edwards. 2006. Genetic considerations for the restoration of smooth cordgrass (*Spartina alterniflora*) within its native range. *USGS Open-File Report* 06-xxx.

Popular Articles:

- Marburger, J., S. Travis, and S. Windels. 2006. Cattail sleuths use forensic science to better understand spread of an invasive species. *NPS Natural Resource Year in Review* 2005:75-76.

USGS Fact Sheets:

- Travis, S. E. 2006. Ecological Genetics at the USGS National Wetlands Research Center. *USGS Fact Sheet* 2006-3057.