

Selected Publications

Longshore, K., Lowery, C., and Thompson, D.B. 2009. Compensating for diminishing natural water: Predicting the impacts of water development on summer habitat of bighorn sheep. *Journal of Arid Environments* 73:280-286.

Longshore, K., C. Lowrey, D. B. Thompson and M. Jeffress. 2009. Nocturnal movements of desert bighorn sheep in the Muddy Mountains, Nevada. *Desert Bighorn Council Transactions* 50:18-31.

Sappington, M., Longshore, K., and Thompson, D.B. Quantifying landscape ruggedness for animal habitat analysis: a case study using bighorn sheep in the Mojave Desert. *Journal of Wildlife Management* (in press 2007).

Thompson, D.B., L.R. Walker, F.H. Landau, and L.R. Stark. 2005. The Influence of Elevation, Shrub Species, and Cryptobiotic Soil Crust on Fertile Islands in the Mojave Desert, *USA Journal of Arid Environments* 61: 609–629.

Xie, Z, Zhang, Z., Zou, X., Huang, J., Ruas P., Thompson D. B. and Shen, Q., J. 2005. Annotations and Functional Analyses of the Rice WRKY Gene Superfamily Reveal Positive and Negative Regulators of Abscisic Acid Signaling in Aleurone Cells. *Plant Physiology* 137:176-189.

Thompson, D.B. 1999. Genotype - environment interaction and the ontogeny of diet induced phenotypic plasticity in size and shape of *Melanoplus femurrubrum* (Orthoptera: Acrididae). *Journal of Evolutionary Biology* 12:38-48.

Thompson, D.B. 1999. Different spatial scales of natural selection and gene flow: The evolution of behavioral geographic variation and phenotypic plasticity. In Foster, S. and J. Endler (eds). *Geographic Diversification of Behavior: An Evolutionary Perspective*. Oxford University Press.

Guo, Q., D.B. Thompson, T. Valone, and J.H. Brown. 1995. The effect of vertebrate granivores and folivores on plant community structure in the Chihuahuan Desert. *Oikos* 73:251-259.

Thompson, D.B. 1992. Consumption rates and the evolution of diet-induced plasticity in the head morphology of *Melanoplus femurrubrum* (Orthoptera: Acrididae). *Oecologia* 89:204-213.

Thompson, D.B., J.H. Brown and W. Spencer. 1991. Indirect facilitation of granivorous birds by desert rodents: Experimental evidence from foraging patterns. *Ecology* 72:852-863.