

DAVID TALLMON
11120 Glacier Highway
Juneau, Alaska 99801
david.tallmon@uas.alaska.edu

CURRENT POSITION

Assistant Professor & Coordinator, Biology & Marine Biology Programs, UAS.
Affiliate Assistant Professor, School of Fisheries and Ocean Sciences, UAF.
Research Associate, Institute of Arctic Biology, UAF.

EDUCATION

Ph.D. 2001 Organismal Biology and Ecology, University of Montana.
M.S. 1996 Organismal Biology and Ecology, University of Montana.
B.A. 1992 Biology, UC Santa Cruz.

COURSES TAUGHT

Evolution
Ecology
Conservation Biology
Fundamentals of Biology
Current Topics in Biology
Biology Research
Biology Seminar

RESEACH EXPERIENCE

NSF International Research Fellow, Reading, UK, and Grenoble, FR. (11/02-02/04).
Post-doctoral Research Ecologist, Redwood Sciences Lab, USFS. (10/01-10/02)
NSF Graduate Research Trainee, University of Montana. (1996-2001)

PEER-REVIEWED PUBLICATIONS

Whiteley, A.R., S.M. Gende, A.J. Gharrett, D.A. Tallmon. 2009. Background matching and color change plasticity in colonizing freshwater sculpin populations following rapid deglaciation. Accepted in *Evolution*.

Tallmon, D.A., A. Koyuk, G. Luikart, and M.A. Beaumont. 2008. ONeSAMP: a program to estimate effective population size using approximate Bayesian computation. *Molecular Ecology Resources* 8:299-301.

England, P., J.-M. Cornuet, P. Berhler, D.A. Tallmon, and G. Luikart. 2006. Estimating effective population size from linkage disequilibrium: severe bias in small samples. *Conservation Genetics* 7:303 - 308.

Lind, A.J., H. H. Welsh, D.A. Tallmon. 2005. Population density and survival rates of the Pacific coast garter snake (*Thamnophis atratus*): lessons from a long-term capture-recapture study. *Ecological Applications* 15:294-303.

Bellemain, E., J.E. Swenson, D. Tallmon, S. Brunberg, P. Taberlet. 2005. Estimating population size of elusive animals with DNA from hunter-collected feces: four methods for brown bears. *Conservation Biology* 19:150-161.

Tallmon, D.A., and L.S. Mills. 2004. Edge-effects and isolation: red-backed voles revisited. *Conservation Biology* 18:1658-1664.

Tallmon, D.A., G. Luikart, and R.S. Waples. 2004. The alluring simplicity and complex reality of genetic rescue. *Trends in Ecology and Evolution* 19:489-496.

Tallmon, D.A., M. A. Beaumont, G.H. Luikart. 2004. Effective population size estimation using approximate Bayesian computation. *Genetics* 167:977-988.

Tallmon, D.A., E. Bellemain, J. Swenson, P. Taberlet. 2004. Genetic monitoring of brown bear effective population size and immigration. *Journal of Wildlife Management* 86(4):960-965.

Luikart, G.H., P. England, D.A. Tallmon, S. Jordan, P. Taberlet. 2003. The power and promise of population genomics: from genotyping to genome-typing. *Nature Reviews Genetics* 4:981-994.

Tallmon, D.A., E. Jules, N. Radke, L.S. Mills. 2003. Of mice and men and trillium: cascading effects of forest fragmentation. *Ecological Applications* 13:1193-1203.

Mills, L. S., M. K. Schwartz, D. A. Tallmon, and K. P. Lair. 2003. Measuring and interpreting changes in connectivity for mammals in coniferous forests. p. 587-613 In C.J. Zabel and R.G. Anthony, editors. *Mammal Community Dynamics in Western Coniferous Forests: Management and Conservation Issues*. Cambridge University Press.

Tallmon, D.A., H. M. Draheim, L. S. Mills, F. W. Allendorf. 2002. Insights into fragmented vole populations from combined genetic and demographic data. *Molecular Ecology* 11:699-708.

Newman, D. and D.A. Tallmon. 2001. Beneficial fitness effects of gene flow into recently isolated populations. *Conservation Biology* 15:1054-1063.

Tallmon, D.A., W.C. Funk, W.W. Dunlap, and F.W. Allendorf. 2000. Genetic differentiation of long-toed salamander populations. *Copeia* 2000:27-35.

Mills, L.S., J.C. Citta, K. Lair, M.K. Schwartz, and D.A. Tallmon. 2000. Estimation of population size using DNA sampling methods. *Ecological Applications* 10:283-294.

Funk, W. C., D.A. Tallmon, and F.W. Allendorf. 1999. Small effective population size in the long-toed salamander. *Molecular Ecology* 8:1633-1640.

Mills, L.S., and D.A. Tallmon. 1999. The role of genetics in understanding forest fragmentation. p 171-186. *In* Rochelle, J. A., L. A. Lehmann, and E. Wisniewski, editors. Forest Fragmentation: wildlife and management implications. Brill Publications, Leiden, Boston, Koln.

Schwartz, M. K., D.A. Tallmon, and G.H. Luikart. 1999. DNA-based Ne estimation: many markers, much potential, uncertain utility. *Animal Conservation* 2:320-322.

Jules, E.S., E.J. Frost, L.S. Mills, and D.A. Tallmon. 1999. Ecological consequences of forest fragmentation: case studies from the Siskiyou region. *Natural Areas Journal* 19:368-378.

Schwartz, M. K., D.A. Tallmon, and G.H. Luikart. 1998. A review of DNA-based effective and census population size estimators. *Animal Conservation* 1:293-299.

ACADEMIC AWARDS & GRANTS

NOAA Grant 2008-2009. (co-PI w/ Eckert, Allee)

ADF&G SWIG Grant. 2008-2010.

Portugal NSF. 2008-2010. (co-PI w/ many others)

NSF-Major Research Instrumentation. 2005-08.

National Park Service Grant. 2007-08.

North Pacific Research Board. 2007-08. (Hoferkamp co-PI)

ADF&G Research Grant. 2007-08.

National Park Foundation. 2007-08. (co-PI w/Whiteley)

USFWS Research Grant. 2007.

IPY Post-doctoral Fellowship 2006-08 (co-PI w/ Gharrett, Whiteley)

Alaska Fisheries Development Foundation Research Grant. 2006. (co-PI w/Tamone)

UAS Chancellors Special Project Fund. 2004-05, 2005-06 (Pyare co-PI).

LICOR Genomics Education Matching Fund. 2005.

Alaska NSF EPSCoR Award. 2004-06.

International Whaling Commission. 2003-04.

NSF International Research Post-doctoral Fellowship. 2002-04.

NSF Graduate Research Trainingship. 1996-2001.

Student Award Finalist. Society for Conservation Biology Meetings, Hilo, HI. 2001.

PROFESSIONAL ASSOCIATIONS

American Fisheries Society

Ecological Society of America

Society for Conservation Biology

Society for the Study of Evolution

Wildlife Society of America

Occasional Reviewer for:

The American Naturalist, Conservation Biology, Conservation Genetics, Copeia, Fish Biology, Genetics, Heredity, Journal of Mammalogy, Molecular Ecology, The National Science Foundation, Nature, Northwest Science.