

Proposed Critical Habitat Designation
Rana sierrae (Sierra Nevada yellow-legged frog)
Rana muscosa (mountain yellow-legged frog), Northern Distinct Population Segment
Anaxyrus canorus (Yosemite toad)

References Cited

FR Vol 78, No. 80

FR 24515-24574

- Allentoft, M.E., and J. O'Brien. 2010. Global amphibian declines, loss of genetic diversity and fitness: A review. *Diversity* 2:47–71.
- Bradford, D.F. 1983. Winterkill, oxygen relations, and energy metabolism of a submerged dormant amphibian, *Rana muscosa*. *Ecology* 64:1171–1183.
- Bradford, D. F. 1984. Temperature modulation in a high elevation amphibian, *Rana muscosa*. *Copeia* 1984(4):966–976.
- CDFG. 2011. A Status Review of the Mountain Yellow-Legged Frog (*Rana sierrae* and *Rana muscosa*). Report to the Fish and Game Commission. California Department of Fish and Game, Sacramento CA. 52 pp. plus appendices.
- Curran-Everett, D.C. 2008. Explorations in statistics: standard deviations and standard errors. *Advances in Physiological Education* 32:203–208.
- Finlay, J.C., and V.T. Vredenburg. 2007. Introduced trout sever trophic connections in watersheds: consequences for a declining amphibian. *Ecology* 88(9):2187–2198.
- Heller, C. L. 1960. The Sierra yellow-legged frog. *Yosemite Nature Notes* 39(5):126–128.
- Jennings, M.R. and M.P. Hayes. 1994. Amphibian and reptile species of special concern in California. California Department of Fish and Game. Rancho Cordova.
- Johansson, M., C.M. Primmer, and J. Merila. 2007. Does habitat fragmentation reduce fitness and adaptability? A case study of the common frog (*Rana temporaria*). *Molecular Ecology* 16:2693–2700.
- Karlstrom, E.L. 1962. The toad genus *Bufo* in the Sierra Nevada of California: ecological and systematic relationships. *University of California Publications in Zoology* 62:1–104.
- Knapp R.A. 1996. Non-native trout in natural lakes of the Sierra Nevada: an analysis of their distribution and impacts on native aquatic biota. In: Sierra Nevada ecosystem project, final report to congress. Volume III, Chapter 8. Assessments and scientific basis for management options. Center for Water and Wildland Resources, University of California, Davis, California.
- Knapp, R.A. MaxEnt 3.3.3e species distribution model; unpublished data.

Proposed Critical Habitat Designation
Rana sierrae (Sierra Nevada yellow-legged frog)
Rana muscosa (mountain yellow-legged frog), Northern Distinct Population Segment
Anaxyrus canorus (Yosemite toad)

- Liang, C.T. 2010. Habitat modeling and movements of the Yosemite toad (*Anaxyrus* (= *Bufo*) *canorus*) in the Sierra Nevada, California. Doctoral Dissertation. University of California, Davis CA. 117 pp.
- Liang, C.T., and T.J. Stohlgren. 2011. Habitat suitability and patch types: a case study of the Yosemite toad. *Frontiers in Earth Science* 5(2):217–228.
- Liang, C.T., S.L. Barnes, H. Eddinger, and A.J. Lind. 2010. Species distribution model of the Yosemite toad in the Sierra National Forest, California. USDA Forest Service, Pacific Southwest Research Station, Sierra Nevada Research Center, Davis, California. Report to U.S. Fish and Wildlife Service. April 2010. 24 pp.
- Long, M.L. 1970. Food habits of *Rana muscosa* (Anura: Ranidae). *Herpeton, Journal of the Southwestern Herpetologists Society* 5(1):1–8.
- Martin, D.L. 1991. Captive husbandry as a technique to conserve a species of special concern, the Yosemite toad. Proceedings of the Northern California Herpetological Society's conference on captive propagation and husbandry of reptiles and amphibians. 32 pp.
- Martin, D.L. 2008. Decline, Movement, and Habitat Utilization of the Yosemite toad (*Bufo canorus*): An Endangered Anuran Endemic to the Sierra Nevada of California. Doctoral thesis. University of California, Santa Barbara, CA. 393 pp.
- Matthews, K. R., and K. L. Pope. 1999. A telemetric study of the movement patterns and habitat use of *Rana muscosa*, mountain yellow-legged frog, in a high-elevation basin in Kings Canyon National Park, California. *Journal of Herpetology* 33(4):615–624.
- Morton, M.L. and M.E. Pereyra. 2010. Habitat use by Yosemite toads: life history traits and implications for conservation. *Herpetological Conservation and Biology* 5(3):388–394.
- Mullally, D.P. 1953. Observations on the ecology of the toad *Bufo canorus*. *Copeia* 3:182–183.
- Mullally, D.P., and J.D. Cunningham. 1956a. Ecological relations of *Rana muscosa* at high elevations in the Sierra Nevada. *Herpetologica* 12:189–198.
- Pope, K. 1999b. *Rana muscosa* (mountain yellow-legged frog): Diet. *Herpetological Review* 30(3):163–164.
- Roche, L.M., B. Allen-Diaz, D.J. Eastburn, and K.W. Tate. 2012. Cattle grazing and Yosemite toad (*Bufo canorus* Camp) breeding habitat in Sierra Nevada meadows. *Rangeland Ecology and Management* 65(1):56–65.
- Stebbins, R.C. 1951. *Amphibians of western North America*. University of California Press. Berkeley.

Proposed Critical Habitat Designation
Rana sierrae (Sierra Nevada yellow-legged frog)
Rana muscosa (mountain yellow-legged frog), Northern Distinct Population Segment
Anaxyrus canorus (Yosemite toad)

- Streiner, D.L. 1996. Maintaining standards: differences between standard deviation and standard error, and when to use each. *Canadian Journal of Psychiatry* 41:498–502.
- USFS, CDFG, NPS, USFWS, and USGS. 2009. Yosemite Toad Conservation Assessment. 17 August, 2009 Draft. 144 pp.
- Vredenburg, V.T. 2000. *Rana muscosa* (mountain yellow-legged frog): egg predation. *Herpetological Review* 31(3):170–171.
- Vredenburg, V.T., G. Fellers, and C. Davidson. 2005. The mountain yellow-legged frog (*Rana muscosa*). In Lannoo, M.J. (Ed.), *Status and Conservation of U.S. Amphibians*. University of California Press, Berkeley, California, USA.
- Vredenburg, V. T., R. Bingham, R. Knapp, J. A. T. Morgan, C. Moritz and D. Wake. 2007. Concordant molecular and phenotypic data delineate new taxonomy and conservation priorities for the endangered mountain yellow-legged frog. *Journal of Zoology* 217:361–374.
- Wengert, G. 2008. Habitat Use, Home Range, and Movements of Mountain Yellow-legged Frogs (*Rana muscosa*) in Bean and Spanish Creeks on the Plumas National Forest. Final Report to the Sacramento Fish and Wildlife Office, U.S. Fish and Wildlife Service. Sacramento, CA 32 pp.
- Zeiner, D.C., W.F. Laudenslayer, and K.E. Meyer (eds.) 1988. California's wildlife. Volume I. Amphibians and reptiles. California Statewide Wildlife Habitat Relations System, California Department of Fish and Game. Sacramento. 2 pp.