



CITATIONS for USGS ARMI fact sheet:
The State of Amphibians in the United States
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- Adams, M.J., C.A. Pearl, and R.B. Bury. 2003. Indirect facilitation of an anuran invasion by non-native fishes. *Ecology Letters* 6:343-351.
- Adams, M.J., N.D. Chelgren, D. Reinitz, R.A. Cole, L.J. Rachowicz, S. Galvan, B. McCreary, C.A. Pearl, L.L. Bailey, J. Bettaso, E.L. Bull, and M. Leu. 2010. Using occupancy models to understand the distribution and prevalence of an amphibian pathogen, *Batrachochytrium dendrobatidis*. *Ecological Applications* 20:289-302.
- Bradford, D. F. 2005. Factors implicated in amphibian population declines in the United States. Pages 915-925 in M. Lannoo, editor. *Status and conservation of United States amphibians*. University of California, Berkeley, California, USA.
- Briggs, C.J., V.T. Vredenburg, R.A. Knapp, and L.J. Rachowicz. 2005. Investigating the population-level effects of chytridiomycosis: an emerging infectious disease of amphibians. *Ecology* 86:3149–3159.
- Bury, R.B. and J.A. Whelan. 1984. Ecology and management of the bullfrog. U. S. Fish and Wildlife Service, Resource Publication 155, Washington, D.C., USA.
- Carey, C., P.S. Corn, M.S. Jones, L.J. Livo, E. Muths and C.W. Loeffler. 2005. Factors limiting the recovery of boreal toads (*Bufo b. boreas*). In: Lannoo, M. (ed.) *Amphibian declines the conservation status of United States species*. University of California Press: Berkeley. Pp 222-236.
- Corn, P.S., W. Stolzenburg, and R.B. Bury. 1989. Acid precipitation studies in Colorado and Wyoming: interim report of surveys of montane amphibians and water chemistry. U.S. Fish and Wildlife Service Biological Report 80(40.26), Fort Collins, Colorado, USA.
- Daszak, P., L. Berger, A.A. Cunningham, A.D. Hyatt, D. Earl Green and R. Speare. 1999. Emerging infectious diseases and amphibian population declines. *Emerging Infectious Diseases* 5:735-748.

- Daszak, P., A. Strieby, A.A. Cunningham, J.E. Longcore, C.C. Brown, and D. Porter. 2004. Experimental evidence that the bullfrog (*Rana catesbeiana*) is a potential carrier of chytridiomycosis, an emerging fungal disease of amphibians. *Herpetological Journal* 14:201-207.
- Davidson, C. 2004. Declining downwind: amphibian population declines in California and historical pesticide use. *Ecological Applications* 14:1892-1902.
- Drost, C.A. and G.M. Fellers. 1996. Collapse of a regional frog fauna in the Yosemite area of the California Sierra Nevada, USA. *Conservation Biology* 10:414-425.
- Fellers, G.M., D.E. Green, and J.E. Longcore. 2001. Oral chytridiomycosis in the mountain yellow-legged frog. *Copeia* 2001:945-953.
- Grant, E.H.C., L.L. Bailey, J. Ware, and K. Duncan. 2008. Prevalence of the amphibian pathogen *Batrachochytrium dendrobatidis* in stream and wetland amphibians in Maryland, USA. *Applied Herpetology* 5:233-241.
- Gray, M., D. Miller, and J. Hoverman. 2009. Ecology and pathology of amphibian ranaviruses. *Diseases of Aquatic Organisms* 87:243-266.
- Hayes, T., K. Haston, M. Tsui, A. Hoang, C. Haeffele, and A. Vonk. 2002. Feminization of male frogs in the wild. *Nature* 419:895-896.
- Hossack, B.R., M.J. Adams, E.H. Campbell Grant, C.A. Pearl, J.B. Bettaso, W.J. Barichivich, W.H. Lowe, K. True, J.L. Ware, and P.S. Corn. 2010. Low prevalence of chytrid fungus (*Batrachochytrium dendrobatidis*) in amphibians of U.S. headwater streams. *Journal of Herpetology* 44:253-260.
- Knapp, R.A. and K.R. Matthews. 2000. Non-native fish introductions and the decline of the mountain yellow-legged frog from within protected areas. *Conservation Biology* 14:428-438.
- Lacan, I., K. Matthews, and K. Feldman. 2008. Interaction of an introduced predator with future effects of climate change in the recruitment dynamics of the imperiled Sierra Nevada yellow-legged frog (*Rana sierrae*). *Herpetological Conservation and Biology* 3:211-223.
- Lips, K.R., F. Brem, R. Brenes, J.D. Reeve, R.A. Alford, J. Voyles, C. Carey, L. Livo, A.P. Pessier, and J.P. Collins. 2006. Emerging infectious disease and the loss of

- biodiversity in a Neotropical amphibian community. Proceedings of the National Academy of Sciences of the United States of America 103:3165-3170.
- Longcore, J.R., J.E. Longcore, A.P. Pessier, and W.A. Halteman. 2007. Chytridiomycosis widespread in anurans of northeastern United States. Journal of Wildlife Management 71:435-444.
- McCallum, M.L. 2007. Amphibian decline or extinction? Current declines dwarf background extinction rate. Journal of Herpetology 41:483-491.
- Muths, E., P.S. Corn, A.P. Pessier and D.E. Green. 2003. Evidence for Disease-related amphibian decline in Colorado. Biological Conservation 110: 357-365.
- Muths, E., D.S. Pilliod, and L.J. Livo. 2008. Distribution and environmental limitations of an amphibian pathogen in the Rocky Mountains, USA. Biological Conservation 141:1484-1492.
- Pearl, C.A., M.J. Adams, R.B. Bury, W.H. Wente, and B. McCreary. 2009a. Evaluating amphibian declines with site revisits and occupancy models: status of montane anurans in the Pacific Northwest USA. Diversity 1:166-181.
- Pilliod, D.S., B.R. Hossack, P.F. Bahls, E.L. Bull, P.S. Corn, G. Hokit, B.A. Maxell, J.C. Munger and A. Wyrick. Non-native salmonids affect amphibian occupancy at multiple spatial scales. Diversity and Distributions 16: 959-974.
- Rachowicz, L.J., R.A. Knapp, J.A.T. Morgan, M.J. Stice, V.T. Vredenburg, J.M. Parker, and C.J. Briggs. 2006. Emerging Infectious disease as a proximate cause of amphibian mass mortality. Ecology 87:1671-1683.
- Richter, S.C., J.E. Young, G.N. Johnson, and R.A. Seigel. 2003. Stochastic variation in reproductive success of a rare frog, *Rana sevosa*: implications for conservation and for monitoring amphibian populations. Biological Conservation 111:171-177.
- Rothermel, B.B., S.C. Walls, J.C. Mitchell, C.K. Dodd, L.K. Irwin, D.E. Green, V.M. Vazquez, J.W. Petranka, D.J. Stevenson. 2008. Widespread occurrence of the amphibian chytrid fungus *Batrachochytrium dendrobatidis* in the southeastern USA. Diseases of Aquatic Organisms 82:3-18.
- Schloegel, L.M., C.M. Ferreira, T.Y. James, M. Hipolito, J.E. Longcore, A.D. Hyatt, M. Yabsley, A.M.C.R.P.F. Martins, R. Mazzoni, A.J. Davies and P. Daszak. 2010. The North American bullfrog as a reservoir for the spread of *Batrachochytrium*

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dendrobatis in Brazil. Animal Conservation. 26 Nov 2010 | DOI: 10.1111/j.1469-1795.2009.00307.x.

- Seimon, T.A., A. Seimon, P. Daszak, S.R.P. Halloy, L.M. Schloegel, C.A. Aguiiar, P. Sowell, A.D. Hyatt, B. Konecky, and J.E. Simmons. 2007. Upward range extension of Andean anurans and chytridiomycosis to extreme elevations in response to tropical deglaciation. Global Change Biology 13:288-299.
- Sherman, C.K. and M.L. Morton. 1993. Population declines of Yosemite toads in the eastern Sierra Nevada of California. Journal of Herpetology 27:186-198.
- Skerratt, L.F., L. Berger, R. Speare, S. Cashins, K.R. McDonald, A.D. Phillott, H.B. Hines, and N. Kenyon. 2007. Spread of chytridiomycosis has caused the rapid global decline and extinction of frogs. EcoHealth 4:125-134.
- Stuart, S.N., J.S. Chanson, N.A. Cox, B.E. Young, A.S. L. Rodrigues, D.L. Fischman, and R.W. Waller. 2004. Status and trends of amphibian declines and extinctions worldwide. Science 306:1783-1786.
- Vredenburg, V.T., G.M. Fellers, and C. Davidson. 2005. *Rana muscosa* Camp, 1917b. Pages 563-566 in M. Lannoo, editor. Status and conservation of U.S. amphibians. University of California, Berkeley, California, USA.
- Wake, D.B. and V.T. Vredenburg. 2008. Are we in the midst of the sixth mass extinction: a view from the world of amphibians 105:11466–11473.
- Wente, W.H., M.J. Adams, and C.A. Pearl. 2005. Evidence of decline for *Bufo boreas* and *Rana luteiventris* in and around the northern Great Basin, western USA. Alytes 22:95-108.