

# Curriculum Vitae of Chad T. Hanson, Ph.D.

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## EDUCATION

University of California at Davis, Ph.D., Ecology, 2007

University of Oregon, Juris Doctorate, 1995

University of California at Los Angeles, Bachelor of Science, 1991

## RESEARCH PUBLICATIONS

Hanson, C.T. 2015. Use of higher-severity fire areas by female Pacific fishers on the Kern Plateau, Sierra Nevada, California, USA. *The Wildlife Society Bulletin* (in press).

Hanson, C.T., and D.C. Odion. 2015a. Sierra Nevada fire severity conclusions are robust to further analysis: a reply to Safford et al. *International Journal of Wildland Fire* (in press).

Hanson, C.T., and D.C. Odion. 2015b. Historical forest conditions within the range of the Pacific Fisher and Spotted Owl in the central and southern Sierra Nevada, California, USA. *Natural Areas Journal* (in press).

Hanson, C.T. 2014. Conservation concerns for Sierra Nevada birds associated with high-severity fire. *Western Birds* **45**: 204-212.

DellaSala, D.A., M.L. Bond, C.T. Hanson, R.L. Hutto, and D.C. Odion. 2014. Complex early seral forests of the Sierra Nevada: what are they and how can they be managed for ecological integrity? *Natural Areas Journal* **34**: 310-324.

Odion, D.C., C.T. Hanson, C.T., D.A. DellaSala, W.L. Baker, and M.L. Bond. 2014a. Effects of fire and commercial thinning on future habitat of the Northern Spotted Owl. *The Open Ecology Journal* **7**: 37-51.

Odion, D.C., C.T. Hanson, A. Arsenault, W.L. Baker, D.A. DellaSala, R.L. Hutto, W. Klenner, M.A. Moritz, R.L. Sherriff, T.T. Veblen, and M.A. Williams. 2014b. Examining historical and current mixed-severity fire regimes in ponderosa pine and mixed-conifer forests of western North America. *PLoS ONE* **9**: e87852.

Hanson, C.T., and D.C. Odion. 2014. Is fire severity increasing in the Sierra Nevada mountains, California, USA? *International Journal of Wildland Fire* **23**: 1-8.

DellaSala, D.A., R.G. Anthony, M.L. Bond, E.S. Fernandez, C.A. Frissell, and C.T. Hanson.

2013. Alternate views of a restoration framework for federal forests in the Pacific Northwest. *Journal of Forestry* **111**: 420-429.

Hanson, C.T. 2013. Pacific fisher habitat use of a heterogeneous post-fire and unburned landscape in the southern Sierra Nevada, California, USA. *The Open Forest Science Journal* **6**: 24-30.

Odion, D.C., and Hanson, C.T. 2013. Projecting impacts of fire management on a biodiversity indicator in the Sierra Nevada and Cascades, USA: the Black-backed Woodpecker. *The Open Forest Science Journal* **6**: 14-23.

Hanson, C.T., D.A. DellaSala, and M.L. Bond. 2013. The overlooked benefits of wildfire. *BioScience* **63**: 243.

DellaSala D., M. Bond, W. Baker, D. Odion, and C. Hanson. 2010. A reply to North et al. *Wildlife Professional*, Summer 2010.

Hanson, C.T., D.C. Odion, D.A. DellaSala, and W.L. Baker. 2010. More-comprehensive recovery actions for Northern Spotted Owls in dry forests: Reply to Spies et al. *Conservation Biology* **24**: 334-337.

Hanson, C.T., and M.P. North. 2009. Post-fire survival and flushing in three Sierra Nevada conifers with high initial crown scorch. *International Journal of Wildland Fire* **18**: 857-864.

Bond, M.L., D.E. Lee, C.M. Bradley, and C.T. Hanson. 2009. Influence of pre-fire mortality from insects and drought on burn severity in conifer forests of the San Bernardino Mountains, California. *The Open Forest Science Journal* **2**: 41-47.

Hanson, C.T., D.C. Odion, D.A. DellaSala, and W.L. Baker. 2009. Overestimation of fire risk in the Northern Spotted Owl Recovery Plan. *Conservation Biology* **23**: 1314-1319.

Hanson, C.T., and M.P. North. 2008. Postfire woodpecker foraging in salvage-logged and unlogged forests of the Sierra Nevada. *The Condor* **110**: 777-782.

Odion, D.C., and C.T. Hanson. 2008. Fire severity in the Sierra Nevada revisited: conclusions robust to further analysis. *Ecosystems* **11**: 12-15.

Hanson, C.T. 2007. Post-fire management of snag forest habitat in the Sierra Nevada. Ph.D. dissertation, University of California at Davis. Davis, CA.

Hanson, C.T., and M.P. North. 2006. Post-fire epicormic branching in Sierra Nevada *Abies concolor* (white fir). *International Journal of Wildland Fire* **15**: 31-35.

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Hanson, C.T., Odion, D.C. 2006. Fire Severity in mechanically thinned versus unthinned forests of the Sierra Nevada, California. In: Proceedings of the 3<sup>rd</sup> International Fire Ecology and Management Congress, November 13-17, 2006, San Diego, CA.

## BOOKS AND BOOK CHAPTERS

DellaSala, D.A., and C.T. Hanson (Editors). 2015a. The ecological importance of mixed-severity fires: nature's phoenix. Elsevier Inc., Waltham, MA, USA (in press).

DellaSala, D.A., and C.T. Hanson. 2015b. Preface: Higher severity fires as nature's phoenix. In: DellaSala, D.A., and C.T. Hanson (Editors). The ecological importance of mixed-severity fires: nature's phoenix. Elsevier Inc., Waltham, MA, USA (in press).

DellaSala, D.A., and C.T. Hanson. 2015c. Chapter 2: Ecological and biodiversity benefits of mega-fires. In: DellaSala, D.A., and C.T. Hanson (Editors). The ecological importance of mixed-severity fires: nature's phoenix. Elsevier Inc., Waltham, MA, USA (in press).

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Whitlock, C., D.A. DellaSala, S. Wolf, and C.T. Hanson. 2015. Chapter 9: Climate change: uncertainties, shifting baselines, and fire management. In: DellaSala, D.A., and C.T. Hanson (Editors). The ecological importance of mixed-severity fires: nature's phoenix. Elsevier Inc., Waltham, MA, USA (in press).

DellaSala, D.A., D.B. Lindenmayer, C.T. Hanson, and J. Furnish. 2015a. Chapter 11: In the aftermath of fire: Logging and related actions degrade mixed- and high-severity burn areas. In: DellaSala, D.A., and C.T. Hanson (Editors). The ecological importance of mixed-severity fires: nature's phoenix. Elsevier Inc., Waltham, MA, USA (in press).

DellaSala, D.A., C.T. Hanson, W.L. Baker, R.L. Hutto, R.W. Halsey, D.C. Odion, L.E. Berry, R. Abrams, P. Heneberg, H. Sitters, A.J. Arsenault. 2015b. Chapter 13: Flight of the phoenix: coexisting with mixed-severity fires. In: DellaSala, D.A., and C.T. Hanson (Editors). The ecological importance of mixed-severity fires: nature's phoenix. Elsevier Inc., Waltham, MA, USA (in press).

## OTHER PUBLICATIONS

Hanson, C.T., and M.L. Bond. 2014. Petition to list the California spotted owl (*Strix occidentalis occidentalis*) as threatened or endangered under the federal Endangered Species Act. John Muir Project of Earth Island Institute, Big Bear City, CA, USA.

Hanson, C.T., J. Augustine, K. Coulter, and D. Short. 2012. Petition to list the Black-backed woodpecker (*Picoides arcticus*) as threatened or endangered under the federal Endangered Species Act. John Muir Project of Earth Island Institute, Big Bear City, CA, USA.

Hanson, C.T., and B. Cummings. 2010. Petition to the California Fish and Game Commission to list the Black-backed woodpecker (*Picoides arcticus*) as threatened or endangered under the California Endangered Species Act. John Muir Project of Earth Island Institute, Big Bear City, CA, USA.