

## Climate Change Citations

A Plan to Save Us from Global Warming? Alternet, 2/15/12

A Review of SPI's study: "Carbon Sequestration in Californian Forests; Two Case Studies in Managed Watersheds", NRDC, 5/5/08

Analysis raises atmospheric, ecologic and economic doubts about forest bioenergy  
<http://phys.org/news/2012-04-analysis-atmospheric-ecologic-economic-forest.html> 4/18/12

Bark beetles, climate change and our future, Vancouver Sun, 12/28/2011

Biomass Fact Sheet, MA Environmental Energy Alliance, 6/2009.

Birdsey, Richard et al. 2009. Carbon cycle observations: gaps threaten climate mitigation policies. Eos 90 (34): 292-293.

Bulaon, B. and MacKenzie, M. 2015. Forest Health Protection Report-Update and Risk Rating of Bark Beetle Activity on the Sierra National Forest. Report No. SS15-001.

Burke, Eleanor J., Simon J. Brown, and Nikolaos Christidis. 2006. Modeling the Recent Evolution of Global Drought and Projections for the Twenty-First Century with the Hadley Centre Climate Model. Journal of Hydrometeorology Volume 7, pp. 1113-1125.

Carbon is Forever, Nature Reports Climate Change, 11/20/08

Chornesky, A.E., Ackerly, D.D., Beier, P., Davis, F.W., Flint, L.E., Lawler, J.J., Moyle, P.B., Moritz, M. A., Scoonover, M., Byrd, K., Alvarez, P., Heller, N.E., Micheli, E.R., and Weiss, S.B. 2015. Adapting California's Ecosystems to a Changing Climate. BioScience 65: 247-262.

Chronic 2000-2004 Drought, Worst in 800 Years, May be the "New Normal" ScienceDaily, 7/29/2012  
<http://www.sciencedaily.com/releases/2012/07/120729142137.htm>

Davidson, C., H.B. Shaffer, and M.R. Jennings. 2001. Declines of the California red-legged frog: climate, UV-B, habitat, and pesticide hypotheses. Ecological Applications 11:464-479.

Dolanc, C.R., Safford, H.D., Dobrowski, S.Z., Thorne, J.H. 2014. Twentieth century shifts in abundance and composition of vegetation types of the Sierra Nevada, CA, US. Applied Vegetation Science 17:442-455.

Eby, Michael, K. Zickfeld, A. Montenegro, D. Archer, K.J. Meissner, A.J. Weaver. 2009. Lifetime of anthropogenic climate change: time-scales of CO<sub>2</sub> and temperature perturbations. IOP Conf. Series: Earth and Environmental Science 6 doi:10.1088/1755-1307/6/4/042015.

Endangered Species Coalition Report. 2011. It's getting hot out there. 15 pages.  
<http://www.itsgettinghotoutthere.org/>

- Foster, D.C., T.A. Robards and W.S. Keeton. 2010. Carbon Dynamics with Even-Aged Forest Management. Climate Action Reserve (CAR) Forest White Paper. Accessed 12 November 2012 from: <http://www.climateactionreserve.org/how/protocols/forest/forest-protocol-white-papers/>
- Harmon, M E, W. K. Ferrell and J. F. Franklin. 1990. Effects on carbon storage of conversion of old-growth forests to young forests. *Science* 247(4943): 699-702.
- Harmon, M.E. and B. Marks. 2002. Effects of silvicultural practices on carbon stores in Douglas-fir - western hemlock forests in the Pacific Northwest, U.S.A.: results from a simulation model. *Canadian Journal of Forestry Research* 32: 863-877. Accessed 14 November 2012 from: <http://scholarsarchive.library.oregonstate.edu/xmlui/bitstream/handle/1957/14632/02HarmonMarks.pdf?sequence=1>
- Harmon, M.E., A. Moreno, and J.B. Domingo. 2009. Effects of partial harvest on the carbon stores in the Douglas- fir/western hemlock forests: A simulation study. *Ecosystems* 12:777-791. Accessed 12 November 2012 from: <http://andrewsforest.oregonstate.edu/pubs/pdf/pub4268.pdf>
- Hartmann, Thom. 1998. *The Last Hours of Ancient Sunlight*. Harmony Books, New York.
- Hu, J., Moore, D. J. P., Burns, S. P. and Monson, R. K. 2010. Longer growing seasons lead to less carbon sequestration by a subalpine forest. *Global Change Biology*, 16: 771–783. doi: 10.1111/j.1365-2486.2009.01967.x
- Hudiburg, T., B. Law, D.P. Turner, J. Campbell, D. Donato and M. Duane. 2009. Carbon dynamics of Oregon and Northern California forests and potential land-based carbon storage. *Ecological Applications* 19(1): 163-180. Accessed 14 November 2012 from: <http://terraweb.forestry.oregonstate.edu/pubs2/Hudiburg2009EA.pdf>
- Hudiburg, Tara W., Beverly E. Law, ChristianWirth and Sebastiaan Luyssaert. 2011. Regional carbon dioxide implications of forest bioenergy production. *Nature Climate Change*, DOI: 10.1038/NCLIMATE1264
- Jandl, R., M. Lindner, L. Vesterdal, B. Bauwens, R. Baritz, F. Hagedorn, D.W. Johnson, K. Minkkinen and K.A. Byrne. 2007. How strongly can forest management influence soil carbon sequestration? *Geoderma* 137:253-268. Accessed 12 November 2012 from: [http://www.sierraforestlegacy.org/Resources/Conservation/FireForestEcology/ThreatsForestHealth/Climate/CI- Jandl\\_etal2007.pdf](http://www.sierraforestlegacy.org/Resources/Conservation/FireForestEcology/ThreatsForestHealth/Climate/CI- Jandl_etal2007.pdf)
- Jensen, Derrick and George Draffen. 2003. *Strangely Like War, The Global Assault on Forests*. Chelsea Green Publishers.
- Karhu, Kristiina et al. 2010. Temperature sensitivity of soil carbon fractions in a boreal forest soil. *Ecology* 91(2): 370-376.
- Kolbert, E.. 2010. The human factor. OnEarth <http://www.onearth.org/article/the-human-factor?page=1>
- Law, B. E., O.J. Sun, J. Campbell, S. Van Tuyl, and P.E. Thornton. 2003. Changes in carbon storage and fluxes in a chronosequence of ponderosa pine. *Global Change Biology*, 9, 510-524.

- Law, Beverly E., Mark Harmon. 2011. Forest sector carbon management, measurement and verification, and discussion of policy related to climate change. *Carbon Management* 2(1), 73–84.
- Lawton, R. O., U. S. Nair, R. A. Pielke Sr., R. M. Welch. 2001. Climatic Impact of Tropical Lowland Deforestation on Nearby Montane Cloud Forests. *Science* Vol 294, 584-587.
- Leemans, Rik, B. Eickhout. 2004. Another reason for concern: regional and global impacts on ecosystems for different levels of climate change. *Global Environmental Change* 14: 219-228.
- Li, Q., J. Chen, D.L. Moorhead, J.L. DeForest, R. Jensen and R. Henderson. 2007. Effects of timber harvest on carbon pools in Ozark forests. *Canadian Journal of Forest Research* 37:2337-2348. Accessed 12 November 2012 from:  
[http://mofep.mdc.mo.gov/Pubs/No\\_00\\_Li\\_carbon\\_CJFR\\_2007.pdf](http://mofep.mdc.mo.gov/Pubs/No_00_Li_carbon_CJFR_2007.pdf)
- Liao C, Luo Y, Fang C, Li B (2010) Ecosystem Carbon Stock Influenced by Plantation Practice: Implications for Planting Forests as a Measure of Climate Change Mitigation. *PLoS ONE* 5(5): e10867. doi:10.1371/journal.pone.0010867
- Loarie, S.R., Carter, B.E., Hayhoe, K., McMahon, S., Moe, et al. (2008) Climate Change and the Future of California's Endemic Flora. *PloS ONE* 3(6): e2502.
- Lutz, J.A., van Wagtendonk, J.W., Franklin, J.F. 2010. Climate water deficit, tree species ranges, and climate change in Yosemite National Park. *J. of Biogeogr.* 37: 936-950.
- Luyssaert, S., E. Detlef Schulze, A. Boerner, A. Knohl, D. Hessenmoeller, B.E. Law, P. Ciais and J. Grace. 2008. Old growth forests as global carbon sinks. *Nature* 455:213- 215. Accessed 12 November 2012 from:  
[http://web.natur.cuni.cz/fyziol5/kfrserver/gztu/pdf/Luyssaert\\_et\\_al\\_2008.pdf](http://web.natur.cuni.cz/fyziol5/kfrserver/gztu/pdf/Luyssaert_et_al_2008.pdf)
- Markham, Victoria D. 2006. U.S. National Report on Population and the Environment. CEP, New Caanan, CT. 69 pp.
- Miller, Peter. 2008. A Review of SPI's study: "Carbon Sequestration in Californian Forests; Two Case Studies in Managed Watersheds".
- Noss, Reed F. 2001. Beyond Kyoto: Forest Management in a Time of Rapid Climate Change. *Conservation Biology* Volume 15 No. 3, pp. 578-590.
- Nunery, J.S. and W.S. Keeton. 2010. Forest carbon storage in the northeastern United States: Net effects of harvesting frequency, post-harvest retention, and wood products. *Forest Ecology and Management* 259:1363–1375. Accessed 12 November 2012 from:  
<http://www.maforests.org/Keeton.pdf>
- Old forests capture plenty of carbon, *Nature*, 9/10/08
- Oregon Climate Change Research Institute. 2010. Oregon Climate Assessment Report, K.D. Dello and P.W. Mote (eds). College of Oceanic and Atmospheric Sciences, Oregon State University, Corvallis, OR

- Pearce, F. 2002. Tree farms won't halt climate change. New Scientist. Accessed 11 April 2012 from:  
<http://www.newscientist.com/article/dn2958-tree-farms-wont-halt-climate-change.html>
- Pennock, D. and C. van Kessel. 1997. Clear-cut forest harvest impacts on soil quality indicators in the mixedwood forest of Saskatchewan, Canada. *Geoderma* 75, 13–32. Referred to in: Jandl, R., M. Lindner, L. Vesterdal, B. Bauwens, R. Baritz, F. Hagedorn, D.W. Johnson, K. Minkkinen and K.A. Byrne. 2007. How strongly can forest management influence soil carbon sequestration? *Geoderma* 137:253–268. Accessed 12 November 2012 from:  
[http://www.sierraforestlegacy.org/Resources/Conservation/FireForestEcology/ThreatsForestHealth/Climate/CI- Jandl\\_etal2007.pdf](http://www.sierraforestlegacy.org/Resources/Conservation/FireForestEcology/ThreatsForestHealth/Climate/CI- Jandl_etal2007.pdf)
- Reid, Leslie; Lisle, Tom. 2008. Cumulative Effects and Climate Change. (May 20, 2008). U.S. Department of Agriculture, Forest Service, Climate Change Resource Center.  
<http://www.fs.fed.us/ccrc/topics/cumulative-effects.shtml>
- Rogers, P. 2015. [http://www.mercurynews.com/science/ci\\_24993601/california-drought-past-dry-periods-have lasted-more](http://www.mercurynews.com/science/ci_24993601/california-drought-past-dry-periods-have lasted-more)
- Schulze, Ernst-Detlef, Christian Koerner, Beverly E. Law, Helmut Haberl and Sebastian Luyssaert. 2012. Large-scale bioenergy from additional harvest of forest biomass is neither sustainable nor greenhouse gas neutral. *GCB Bioenergy* doi: 10.1111/j.1757-1707.2012.01169.x
- Schwalm, Christopher R., Christopher A. Williams, Kevin Schaefer, Dennis Baldocchi, T. Andrew Black, Allen H. Goldstein, Beverly E. Law, Walter C. Oechel, Kyaw Tha Paw U, Russel L. Scott. Reduction in carbon uptake during turn of the century drought in western North America. *Nature Geoscience*, 2012; DOI: 10.1038/Ngeo1529
- Soil contributes to climate warming more than expected, press release [www.environment.fi](http://www.environment.fi) 2/8/10
- State of California, The Resources Agency, Department of Water Resources. 2002. Preparing for California's Next Drought. Sacramento, CA, 25 p.
- Stine, S. 1996. Climate 1650-1850. Pages 25-30 In: Sierra Nevada Ecosystem Project: Final Report to Congress, Assessments and scientific basis for management options. Vol II, Ch. 2. Univ. Calif. Centers for Water and Wildland Resources, Davis, CA 95616.
- Thompson, I., Mackey, B., McNulty, S., Mosseler, A. 2009. Forest Resilience, Biodiversity, and Climate Change. A synthesis of the biodiversity/resilience/stability relationship in forest ecosystems. Secretariat of the Convention on Biological Diversity, Montreal. Technical Series no. 43, 67 pages.
- Thorne, J. H. 2012. Mapping Change in Sierra Nevada Forests. <https://vimeo.com/41524838>
- Thorne, J.H., Morgan, B.J., and Kennedy, J.A. 2008. Vegetation change over sixty years in the central Sierra Nevada, California, USA. *Madroño* 55:3 223-237.
- Traill, Lochran W., Barry W. Brook, Richard R. Frankham, Corey J.A. Bradshaw. 2009. Pragmatic population viability targets in a rapidly changing world. *Biological Conservation*,

doi:10.1016/j.biocon.2009.09.001.

Van Mantgem, Phillip J., Nathan L. Stephenson, John C. Byrne, Lori D. Daniels, Jerry F. Franklin, Peter Z. Fulé, Mark E. Harmon, Andrew J. Larson, Jeremy M. Smith, Alan H. Taylor, Thomas T. Veblen. 2009. Widespread Increase of Tree Mortality Rates in the Western United States. Science Vol 323.

Wayburn, L.A., J.F. Franklin, J.C. Gordon, C.S. Binkley, D.J. Mladenoff and N.L. Christensen, Jr. 2007. Forest Carbon in the United States: Opportunities and Options for Private Lands. Pacific Forest Trust. Accessed 14 November 2012 from:  
<http://landscape.forest.wisc.edu/courses/readings/ForestCarbonReport-07Update.pdf>

Which emits the most CO<sub>2</sub> in home construction: steel, concrete, or timber? Thinkprogress.org 7/26/11

Wilkinson, R. 2002. Preparing for a Changing Climate: The Potential Consequences of Climate Variability and Change for California: The California Regional Assessment. A Report of the California Regional Assessment Group.[http://www.ncgia.ucsb.edu/pubs/CA\\_Report.pdf](http://www.ncgia.ucsb.edu/pubs/CA_Report.pdf)

Wilshire, Howard G., Jane E. Nielson, Richard W. Hazlett. 2008. The American West at Risk. Oxford University Press, New York.