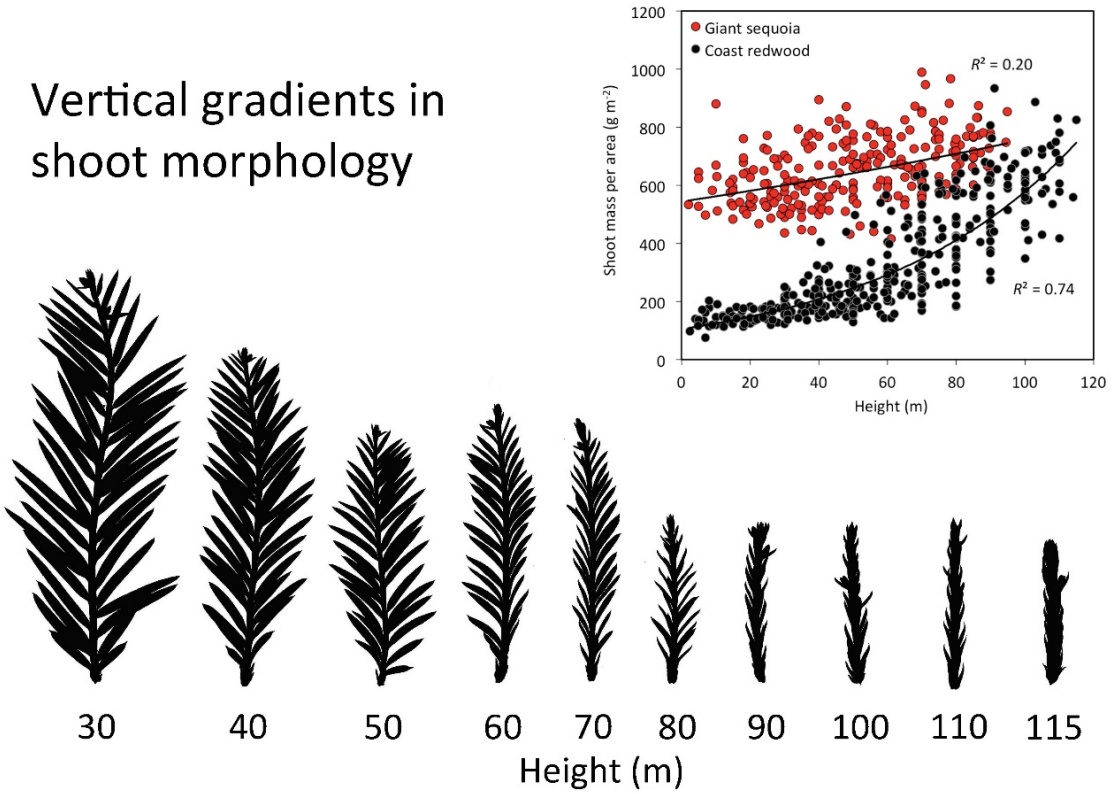
More Interesting Materials on Coast Redwoods

An interesting article on the Ecology of Coast Redwood at
http://www.ecology.info/redwood.htm

Ahuja, Raj and David Neale. 1999. Coast Redwood May Be the Descendent of Two, Origins of Polyploidy in Coast Redwood and Relationship of Coast Redwood to other Genera of Taxodiaceae.
https://www.savetheredwoods.org/grant/coast-redwood-may-be-the-descendent-of-two/.

Baum, David and Alison Scott. 2012. Genes Could Influence Trees' Conservation, Using Modern Technology to Resolve an Ancient Mystery: Unraveling the Hexaploid Origin of the Coast Redwood.
https://www.savetheredwoods.org/grant/genes-could-influence-trees-conservation/.



Koch et al. 2004, Ambrose et al. *In Prep*

Research Papers Related to Dr. Ambrose's Article
Compiled by Pattie Litton

Ambrose, Anthony R., Stephen C. Sillet, and Todd E. Dawson. 2009. "Effects of Tree Height on Branch Hydraulics, Leaf Structure and Gas Exchange in California Redwoods." *Plant, Cell and Environment* 32: 743—757. doi: 10.1111/j.1365-3040.2009.01950.x.

Ambrose, Anthony R., Stephen C. Sillet, George W. Koch, Robert van Pelt, Marie E. Antoine, and Todd E. Dawson. 2010. "Effects of Height on Treetop Transpiration and Stomatal Conductance in Coast Redwood (Sequoia sempervirens)." *Tree Physiology* 30: 1260—1272. doi:10.1093/treephys/tpq064.

Ambrose, Anthony R., Wendy L. Baxter, Christopher S. Wong, Rikke R. Næsborg, Cameron B. Williams, and Todd E. Dawson. 2015. "Contrasting Drought-response Strategies in California Redwoods." *Tree Physiology* 35: 453—469. doi:10.1093/treephys/tpv016.

Chin, Alana R. O., Stephen C. Sillett. 2016. "Phenotypic Plasticity of Leaves Enhances Water-stress Tolerance and Promotes Hydraulic Conductivity in a Tall Conifer." *American Journal of Botany* 103 (5): 796—807, 2016. http://www.amjbot.org/.

Ishii, Hiroaki T., Gregory M. Jennings, Stephen C. Sillett, George W. Koch. 2008. "Hydrostatic Constraints on Morphological Exploitation of Light in Tall *Sequoia sempervirens* Trees." *Oecologia* 156: 751–763. DOI 10.1007/s00442-008-1032-z.

Koch, George W., Stephen C. Sillett, Gregory M. Jennings, and Stephen D. Davis. 2004. "The Limits to Tree Height." *Nature* 428: 851—854. www.nature.com/nature.

Oldham, Alana R., Stephen C. Sillett, Alexandru M. F. Tomescu, and George W. Koch. 2010. "The Hydrostatic Gradient, not Light Availability, Drives Height-related Variation in *Sequoia sempervirens* (Cupressaceae) Leaf Anatomy." *American Journal of Botany* 97(7): 1087—1097.

If you would like copies of any of the above papers, please contact Dr. Ambrose at ambrose@berkeley.edu.