

**John-Pascal Berrill, Ph.D.**

**Associate Professor of Silviculture**

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**Education**

Ph.D. Ecosystem Science. University of California, Berkeley. 2008. Silviculture. Adviser: Kevin O'Hara

Dissertation title: "Coast redwood stand growth and leaf area index: the influence of site quality". Emphasis: assessing site quality; modeling tree growth patterns in relation to topography, soil chemistry and moisture; multivariate and spatial pattern analysis of inventory data; query of stem-mapped data to simulate plot type and plot size effects on sample estimates.

M.S. Forest Science. University of California, Berkeley. 2003. Silviculture. Adviser: Kevin O'Hara

Thesis title: "Developing models and management guidelines, and quantifying volume production in multi-aged coast redwood stands, using growing space allocation". Emphasis: uneven-aged silviculture, modeling growth and tree leaf area, simulating growth and yield.

B.S. Forestry Science. University of Canterbury, New Zealand. 1998.

Senior thesis: Assessing residual stand damage from partial harvesting and helicopter logging in southern mixed beech forests. Emphasis: silviculture, biometrics, forest management.

**Work History**

Associate Professor, University of Maine (01/2019 to present). Teaching: silviculture & forest management capstone.

Current research projects:

- Monitoring and mixed-effects modeling of aspen growth and regeneration responses to thinning treatments and slash-pile burning effects.
- Established and maintain replicated genetics (provenance) test for heritability of drought tolerance and water-use efficiency traits in redwood - collected seed cones across regions, raised nursery stock, and established field tests.
- Designed and established 100-acre replicated uneven-aged silviculture experiment in redwood/Douglas-fir testing stand density and spatial pattern effects on biodiversity, regeneration, growth, and yield. Funded to re-measure annually, and establish four more replicates in dry upland Douglas-fir/tanoak forests.
- Post-fire thinning of oak stump sprout clumps throughout northern California.

Current graduate student research projects:

- Impact of infrequent and frequent fire disturbances on extent and composition of aspen stands.
- Understory light, seedling and stump sprout growth, tree response, and residual stand damage after multiaged silviculture harvest treatments.

Professor, Humboldt State University (08/2008 to 12/2018; promotion and tenure awarded 06/2014, promotion to full professor 06/2018). Classes taught: silviculture, forest ecosystem ecology and stand dynamics, forest restoration, forest management capstone, introduction to forestry, agroforestry, silvics and tree physiology.

Carbon Offset Project Verifier, Environmental Services, Inc. (ESI). 2014-present. Expert reviewer of forest growth and yield modeling for carbon offset projects in California.

Postdoctoral Scholar, University of California, Berkeley. 2008. Full-time (06/2008 to 08/2008). Modeling Sierra mixed conifer leaf area index (LAI) development across the range of even-aged and uneven-aged silvicultural systems using permanent sample plot data. Collaborate with inventory database technician and forest manager. Written report.

Part-time Research Scientist with SCION (formerly New Zealand Forest Research Institute Ltd.) Part-time permanent position while attending Graduate School (08/2001 to 07/2008). Modeling plantation forest growth and yield, using small/difficult datasets. Grant writing/review.

Research Scientist, New Zealand Forest Research Institute Ltd. Full-time permanent position (01/1999 to 07/2001). Designed replicated silvicultural field trials, sample plot establishment and measurement, analyzed experimental data, modeled forest growth and yield, carbon sequestration modeling, assessed tree improvement field trials for growth, form, and health traits, supervised: staff, field crew, student research projects. Outreach to public and private sector, interest groups.

Owner and manager of forestry investment company "Sustainable Management Ltd." with 50 acres of plantation forest assets in New Zealand. Incorporated LLC company, and personally planted and tend a mixture of pine and cypress species since 2000.

## Publications

### Peer-reviewed journal articles:

- Berrill, J-P.; Schneider, K.A.; Dagley, C.M.; Webb, L.A. 2018. Understory light predicts stump sprout growth in mixed multiaged stands in north coastal California. *New Forests* 49(6):815–828.
- Berrill J-P.; Dagley, C.M.; Gorman, A.J.; Obeidy, C.S.; Powell, H.K.; Wright, J.C. 2018. Variable-density retention promotes spatial heterogeneity and structural complexity in a Douglas-fir/tanoak stand. *Current Trends in Forest Research* CTFR-108 DOI: 10.29011/CTFR-108. 100008.
- Dagley, C.M.; Berrill, J-P.; Leonard, L.P.; Kim, Y.G. 2018. Restoration thinning enhances growth and diversity in mixed redwood/Douglas-fir stands in northern California, USA. *Restoration Ecology* 26(6): 1170-1179.
- Berrill, J-P.; Dagley, C.M.; Coppeto, S.A.; Gross, S.E. 2017. Curtailing succession: Removing conifers enhances understory light and growth of young aspen in mixed stands around Lake Tahoe, California and Nevada, USA. *Forest Ecology and Management* 400: 511-522.
- Hammett, E.J.; Ritchie, M.W.; Berrill, J-P. 2017. Resilience of California black oak experiencing frequent fire: regeneration following two large wildfires 12 years apart. *Fire Ecology* 13(1): 91-103.
- Berrill, J-P.; Han, H-S. 2017. Carbon, harvest yields, and residues from restoration in a mixed forest on California's Coast Range. *Forest Science* 63(1): 128-136.
- Zeibig-Kichas, N.E.; Ardis, C.W.; Berrill, J-P.; King, J.P. 2016. Bark thickness equations for mixed-conifer forest type in Klamath and Sierra Nevada Mountains of California. *International Journal of Forestry Research*, Vol. 2016, ID: 1864039, 1-10.
- Kirk, C.; Berrill, J-P. 2016. Second-Log Branching in Multiaged Redwood and Douglas-Fir: Influence of Stand, Site, and Silviculture. *Forests* 7(147): 1-15.
- Berrill, J-P.; O'Hara, K.L. 2016. How do biophysical factors contribute to height and basal area development in a mixed multiaged coast redwood stand? *Forestry* 89: 170–181.
- Perry, D.W.; Breshears, L.W.; Gradillas, G.E.; Berrill, J-P. 2016. Thinning Intensity and Ease-of-Access Increase Probability of Bear Damage in a Young Coast Redwood Forest. *Journal of Biodiversity Management and Forestry* 5(3):1-7.
- Berrill, J-P.; Dagley, C.M.; Coppeto, S.A. 2016. Predicting Treatment Longevity after Successive Conifer Removals in Sierra Nevada Aspen Restoration. *Ecological Restoration* 34(3): 236-244.
- Namm, B.N.; Berrill, J-P. 2016. Tanoak (*Notholithocarpus densiflorus*) Coarse Root Morphology: Prediction Models for Volume and Biomass of Individual Roots. *Open Journal of Forestry* 6: 1-13.
- Berrill, J-P.; O'Hara, K.L. 2015. Spatial Variation in Dominant Height and Basal Area Development in a Coast Redwood Forest: Implications for Inventory and Modeling. *Journal of Biodiversity Management and Forestry* 4(4): 1-6.
- Berrill, J-P.; Dagley, C.M. 2014. Regeneration and recruitment correlate with stand density and composition in long-unburned aspen stands undergoing succession to conifer in the Sierra Nevada, USA. *Forest Research: Open Access* 3(2):1-7.
- Berrill, J-P.; O'Hara, K.L. 2014. Estimating site productivity in irregular stand structures by indexing basal area or volume increment of the dominant species. *Canadian Journal of Forest Research* 44(1): 92-100.
- Berrill, J-P.; Beal, C.B.; LaFever, D.H.; Dagley, C.M. 2013. Modeling young stand development towards the old-growth reference condition in evergreen mixed-conifer stands at Headwaters Forest Reserve, California. *Forests* 4(2): 455-470.
- Berrill, J-P.; Dagley, C.M. 2012. Geographic patterns and stand variables influencing growth and vigor of *Populus tremuloides* in the Sierra Nevada (USA). *ISRN Forestry* Vol. 2012, ID: 271549, 1-9.
- Berrill, J-P.; Dagley, C.M. 2010. Assessing longleaf pine (*Pinus palustris*) restoration after southern pine beetle kill using a compact experimental design. *Scandinavian Journal of Forest Research* 25(8): 75-85.
- O'Hara, K.L.; Berrill, J-P. 2010. Dynamics of coast redwood sprout clump development in variable light environments. *Journal of Forest Research* 15(2): 131-139.
- O'Hara, K.L.; Berrill, J-P. 2009. Epicormic sprout development in pruned coast redwood: pruning severity, genotype, and sprouting characteristics. *Annals of Forest Science* 66(4): 1-9.
- Berrill, J-P.; O'Hara, K.L. 2009. Simulating multiaged coast redwood stand development: Interactions between regeneration, structure, and productivity. *Western Journal of Applied Forestry* 24(1): 24-32.
- Berrill, J-P.; O'Hara, K.L. 2007. Patterns of leaf area and growth efficiency in young even-aged and multiaged coast redwood stands. *Canadian Journal of Forest Research* 37(3): 617-626.
- Berrill, J-P.; Nicholas, I.D.; Gifford, H.H. 2007. A preliminary growth model for New Zealand grown *Acacia melanoxylon*. *New Zealand Journal of Forestry Science* 37(1): 37-56.
- Berrill, J-P.; Hay, A.E. 2006. Indicative growth and yield models for stringybark eucalypt plantations in northern New Zealand. *New Zealand Journal of Forestry* 51(1): 19-22.
- Berrill, J-P.; Hay, A.E. 2005. Indicative growth and yield models for even-aged *Eucalyptus fastigata* plantations in New Zealand. *New Zealand Journal of Forestry Science* 35(2/3): 121-138.
- Berrill, J-P. 2004. Preliminary growth and yield models for even-aged *Cupressus lusitanica* and *C. macrocarpa* plantations in New Zealand. *New Zealand Journal of Forestry Science* 34(3): 272-292.

Peer-reviewed symposium proceedings:

- Dagley, C.M.; Berrill, J-P.; Johnson, F.J.; Kerhoulas, L.P. 2017. Adaptation to Climate Change? Moving Coast Redwood Seedlings Northward and Inland. Pp. 219-228 in: Standiford, R.B.; Valachovic, Y., tech cords. 2017. Proc. of Coast redwood science symposium—2016: Past successes and future direction. USDA Forest Service Gen. Tech. Rep. PSW-GTR-258. Albany, CA. 446 p.
- Berrill, J-P.; O'Hara, K.L.; Headley, S. 2017. Predicting Redwood Productivity using Biophysical Data, Spatial Statistics and Site Quality Indices. Pp. 39-46 in: Standiford, R.B.; Valachovic, Y., tech cords. 2017. Proc. of Coast redwood science symposium—2016: Past successes and future direction. USDA Forest Service Gen. Tech. Rep. PSW-GTR-258. Albany, CA. 446 p.
- Berrill, J-P.; Libby, W.J. 2017. Comparing Growth and Form of Coast Redwood Selves and Outcrosses at the UC Russell Research Station, California. Pp. 229-240 in: Standiford, R.B.; Valachovic, Y., tech cords. 2017. Proc. of Coast redwood science symposium—2016: Past successes and future direction. USDA Forest Service Gen. Tech. Rep. PSW-GTR-258. Albany, CA. 446 p.
- Leonard, L.P.; Berrill, J-P.; Dagley, C.M. 2017. Ecosystem Responses to Variable-Density Thinning for Forest Restoration in Mill Creek. Pp. 287-290 in: Standiford, R.B.; Valachovic, Y., tech cords. 2017. Proc. of Coast redwood science symposium—2016: Past successes and future direction. USDA Forest Service Gen. Tech. Rep. PSW-GTR-258. Albany, CA. 446 p.
- Berrill, J-P.; Perry, D.W.; Breshears, L.W.; Gradillas, G.E. 2017. Tree size, growth, and anatomical factors associated with bear damage in young coast redwood. Pp. 326-328 in: Standiford, R.B.; Valachovic, Y., tech cords. 2017. Proc. of Coast redwood science symposium—2016: Past successes and future direction. USDA Forest Service Gen. Tech. Rep. PSW-GTR-258. Albany, CA. 446 p.
- Webb, L.A.; Berrill, J-P.; Lindquist, J.L. 2017. Long term results of early density management of a third growth redwood stand. Pp. 267-278 in: Standiford, R.B.; Valachovic, Y., tech cords. 2017. Proc. of Coast redwood science symposium—2016: Past successes and future direction. USDA Forest Service Gen. Tech. Rep. PSW-GTR-258. Albany, CA. 446 p.
- Crotteau, J.S.; Ritchie, M.W.; Varner, J.M.; Berrill, J-P. 2015. *Quercus kelloggii* (Newb.) Sprout Response to Fire Severity in Northern California. Pp. 377-386 In: Standiford, R.B.; Purcell, K.L., tech. cords. Proceedings of the seventh California oak symposium: managing oak woodlands in a dynamic world. Gen. Tech. Rep. PSW-GTR-251. Berkeley, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station. 579 p.
- Berrill, J-P.; Jeffress, J.L.; Engle, J.M. 2012. Coast redwood live crown and sapwood dynamics. Pp. 473-484 in Standiford, R.B.; Weller, T.J.; Piirto, D.D.; Stuart, J.D. (tech. coords.). Proc. of Coast redwood forests in a changing California: a symposium for scientists and managers. USDA Forest Service Gen. Tech. Rep. PSW-GTR-238. Albany, CA. 675 p.
- Namm, B.H.; Berrill, J-P. 2012. Accounting for variation in root wood density and percent carbon increases accuracy of belowground carbon estimates. Pp. 293-302 in Standiford, R.B.; Weller, T.J.; Piirto, D.D.; Stuart, J.D. (tech. coords.). Proc. of Coast redwood forests in a changing California: a symposium for scientists and managers. USDA Forest Service Gen. Tech. Rep. PSW-GTR-238. Albany, CA. 675 p.
- Berrill, J-P.; O'Hara, K.L. 2012. Influence of tree spatial pattern and sample plot type and size on inventory estimates for leaf area index, stocking, and tree size parameters. Pp. 485-497 in Standiford, R.B.; Weller, T.J.; Piirto, D.D.; Stuart, J.D. (tech. coords.). Proc. of Coast redwood forests in a changing California: a symposium for scientists and managers. USDA Forest Service Gen. Tech. Rep. PSW-GTR-238. Albany, CA. 675 p.
- Dagley, C.M.; Berrill, J-P. 2012. Stand structure in old-growth redwood alluvial flat forests of northern California. Pp. 251-263 in Standiford, R.B.; Weller, T.J.; Piirto, D.D.; Stuart, J.D. (tech. coords.). Proc. of Coast redwood forests in a changing California: a symposium for scientists and managers. USDA Forest Service Gen. Tech. Rep. PSW-GTR-238. Albany, CA. 675 p.
- Berrill, J-P.; O'Hara, K.L. 2007. Modeling coast redwood variable retention management regimes. Pp. 261-269 in Standiford, R.B.; Giusti, G.A.; Valachovic, Y.; Zielinski, W.J., Furniss, M.J., (Eds.) Proc. of the Redwood Region Forest Science Symposium: What does the future hold? March 15-17, 2004, Rohnert Park, California. USDA Forest Service Gen. Tech. Rep. PSW-GTR-194. Albany, CA. 553p.

Peer-reviewed book chapters:

- Ritchie, M.W.; Berrill, J-P. (in press). Precommercial Thinning in California Forests. Chapter in Book on Forest Establishment in California.
- Berrill, J-P.; Dagley, C.M. 2012. Vegetative response to weed control in forest restoration. Pp. 363-380 in Hasaneen, M. (Ed.). Herbicides - Properties, Synthesis and Control of Weeds. InTech Open Access: [www.intechweb.org](http://www.intechweb.org). 492 p.
- Berrill, J-P.; Nicholas, I.D. 2008. Growth models. Chapter 8. Pp. 84-93 in Nicholas, I. (Ed.). Best practice with farm forestry timber species No.2: Eucalypts. NZFFA Electronic Handbook Series. [www.nzffa.org.nz](http://www.nzffa.org.nz).
- Berrill, J-P. 2007. Cypress growth model and example regimes. Chapter 8. Pp. 59-66 in Nicholas, I. (Ed.). Best practice with farm forestry timber species No.1: Cyresses. NZFFA Electronic Handbook Series. [www.nzffa.org.nz](http://www.nzffa.org.nz).

Outreach materials, unpublished reports:

- Harrell, K.; Berrill, J-P. 2018. New Silvicultural Techniques for Forest Health & Restoration. California Forest Pest Council Newsletter, February 26, 2018 Vol. 5, Issue 1.

- Berrill, J-P.; Rogers, P. 2017. Commentary: Uphill battle to restore aspen in the Sierra. Tremblings – Western Aspen Alliance Newsletter, Vol 8(3), August 2017.
- Berrill, J-P.; Dagley, C.M. 2017. New Practice Promising for Restoring Lost Forests of Giants: Ecosystem Responses to Variable-Density Thinning for Forest Restoration in Mill Creek. Save the Redwoods League, June 14, 2017.
- Enhanced outreach value of conference presentations at regional forest manager and landowner meeting (Redwood Science Symposium, September 2016) by recording and making publicly available, posted online: [http://ucanr.edu/sites/Redwood2016/Talk\\_Videos/](http://ucanr.edu/sites/Redwood2016/Talk_Videos/) (Follow links for presentation #7, #58, #22, #29)
- Dagley, C.M.; Berrill, J-P.; Coppeto, S.A. 2016. Regeneration Response to Restoration in Aspen-Conifer Stands around the Lake Tahoe Basin. USDA Forest Service, Lake Tahoe Basin Management Unit, Aspen Community Restoration Pile Burning Monitoring Project Report, November 2016. 16p.
- Berrill, J-P.; Dagley, C.M. 2016. Ecosystem Response to Aspen Restoration. SNPLMA Round 12 Science Project P091 Final Report. 8p.
- Berrill, J-P.; Dagley, C.M. 2014. Stocking Guidelines for Aspen Restoration: Predicting Treatment Persistence after Successive Conifer Removals. SNPLMA Round 10 Science Project P051 Final Report. 18p.
- Dagley, C.M.; Berrill, J-P.; Coppeto, S.; Jacobson, K. 2012. Effects of slash pile burning after restoring conifer-encroached aspen: interim pile building guidelines for aspen injury risk reduction. USDA Forest Service, Lake Tahoe Basin Management Unit Monitoring Report, December 2012.
- Namm, B.N.; Berrill, J-P. 2012. Grad student explores tanoak root systems. Humboldt State Now, May 11, 2012.
- Berrill, J-P.; Webb, L. 2012. Managing coast redwood forests for continuous cover: Testing different multiaged stand structures. Factsheet summarizing field experiment objectives and design for visitors to Jackson Demonstration Forest, Mendocino, CA.
- Berrill, J-P. 2011. Small giant sequoia groves may not endure. Summary of research objectives and findings prepared for Save-The-Redwoods League website: [www.savetheredwoods.org](http://www.savetheredwoods.org)
- Valness, C.M.; Berrill, J-P. 2011. Performance and morphology of *Sequoiadendron* genotypes outside their range. Final report prepared for Save-The-Redwoods League, August 31, 2011.
- Berrill, J-P. 2011. An even-aged approach to forest regeneration and biodiversity. California Forests 15(1): 14-15.
- Berrill, J-P.; Dagley, C.M. 2010. Preliminary stocking guidelines for aspen restoration in the LTBMU: Comparing thinning prescription diameter limits. Report prepared for Lake Tahoe Basin aspen forest managers.
- Berrill, J-P.; O'Hara, K.L. 2007. Redwood silviculture in California: An overview of silvicultural systems. New Zealand Tree Grower 28(1): 11-13.

## Presentations

- Portland, Oregon. "Mixed Multiaged Redwood: Density and Pattern of Retention Affects Understory Light and Stump Sprout Growth". Society of American Foresters Convention, October 3-7, 2018.
- Brewen, C.J.; Berrill J-P; Boston, K.; Burnett, C.L.; Coppoletta, M.; Dagley, C.M.; Jones, B.; Ritchie, M.W. 2018. Multidecadal Change in Sierra Nevada Aspen Experiencing Long-Unburned, Mixed-Severity Wildfire, and Reburn Disturbance Regimes. Society of American Foresters Convention, October 3-7, 2018. Portland, Oregon (Poster presentation).
- Muma, R.; Berrill J-P; Dagley C.M.; Webb, L.A. 2018. Residual Stand Damage and Tree Growth Response to Variable Retention Harvest in Mixed Stands. Society of American Foresters Convention, October 3-7, 2018. Portland, Oregon (Poster presentation).
- Monterey, California. Invited speaker for one-hour presentation: "Research Directions for Silviculture and Forest Management". California Department of Forestry and Fire Protection (CAL FIRE) 2018 Statewide Forester Training. June 4-6, 2018.
- Freshwater, California. Invited speaker. Transition to uneven-aged silviculture on the coast range; stand density management, tree and regeneration response, and knot size and wood quality. Forest Stewards Guild field tour: single-tree selection for coastal conifers. May 11, 2018.
- Gorman, A.J.; Berrill J-P; Dagley, C.M.; Obeidy, C.S.; Powell, H.K.; Wright, J.C. 2018. Testing the Variable-Density Retention Silvicultural System as a Tool for Restoration of Conifer Dominance. IdeaFest Conference at HSU. April 19, 2018. Arcata, California (Poster presentation).
- Berrill, J-P.; Boston, K. 2018. "Simulating 100 years of multi-aged stand growth, yield and carbon in Douglas-fir tanoak type: influence of conifer and hardwood retention levels". Redwood Region Forest Management and Marketing Opportunities Conference, April 4, 2018. Eureka, California.
- Berrill, J-P.; Schneider, K.A.; Dagley, C.M.; Webb, L.A. 2017. Coppice with Standards: Modeling Understory Light and Stump Sprout Growth of Redwood and Tanoak in Mixed Multiaged Stands in California. European Coppice Conference. June 21-23, 2017. Limoges, France (Poster presentation).
- South Lake Tahoe, California. Invited speaker for two-hour presentation: "How are aspen responding to restoration? Monitoring reveals trends in tree growth, regeneration, and recovery of understory plant cover after conifer removal and pile burning". Workshop comprising two-hour presentation (Berrill) and afternoon field tour for regulatory and land management agency representatives around Lake Tahoe. May 22, 2017.

- Schneider, K.A.; Berrill, J-P.; Dagley, C.M.; Webb, L.A. 2017. Kriging Interpolation of Understory Light for Prediction Modeling of Stump Sprout Growth in Mixed Multiaged Stands in California. IdeaFest Conference at HSU. April 21, 2017. Arcata, California (Poster presentation).
- Kast, W.; Berrill, J-P. 2016. Biomass and Carbon Storage Estimates: Finding Nondestructive Parameters for Root-to-Shoot Ratios in Young Douglas-fir, Grand fir and Redwood in Northwest California. Redwood Science Conference, September 13-15, 2016 (Poster presentation).
- Johnson, F.J.; Berrill, J-P.; Dagley, C.M.; Kerhoulas, L.P. 2016. Adaptation to Climate Change? Moving Coast Redwood Seedlings Northward and Inland. Redwood Science Conference, September 13-15, 2016.
- Kerhoulas, L.P.; Kerhoulas, N.; Pold, W.; Berrill J-P. 2016. Physiology and growth of redwood and Douglas-fir planted after variable density retention outside redwood's range. Redwood Science Conference, September 13-15, 2016.
- Eureka, California. "Predicting Redwood Productivity using Biophysical Data, Spatial Statistics and Site Quality Indices". Redwood Science Conference, September 13-15, 2016.
- Eureka, California. "Comparing Growth and Form of Coast Redwood Selfs and Outcrosses at the UC Russell Research Station, California". Redwood Science Conference, September 13-15, 2016.
- Eureka, California. "Ecosystem Responses to Variable-Density Thinning for Forest Restoration in Mill Creek". Redwood Science Conference, September 13-15, 2016.
- Eureka, California. "Thinning Intensity and Ease-of-Access Increase Probability of Bear Damage in a Young Coast Redwood Forest". Redwood Science Conference, September 13-15, 2016.
- Reno, Nevada. "Aspen restoration in a changing climate". Tahoe Science Conference. September 21-23, 2015.
- Berrill, J-P.; Dagley, C.M. 2015. The coast redwood climate adaptation experiment. California Climate Change Symposium 2015: Using Climate Science to Plan for a Resilient Future, August 24-25, 2015. Sacramento, California (Poster presentation).
- Howe, R.H.; Berrill, J-P. 2015. "Coast redwood response to imazapyr herbicide treatment of tanoak". Redwood Region Forest Management and Marketing Opportunities Conference, May 20, 2014. Eureka, California.
- South Lake Tahoe, California. "Vegetation response to restoration thinning and slash pile burning in aspen". Aspen Ecology and Restoration Management Workshop, October 28-29, 2014.
- Berrill, J-P.; Dagley, C.M. 2013. Collecting seed at the hot, dry margins of a tree species' natural range: do the progeny of these extreme trees have drought tolerance and water-use efficiency needed for restoration of harsh sites? Restoring the West Conference. Logan, Utah. October, 2013. (Poster presentation).
- Eureka, California. 2013. Invited speaker: "Converting from even-aged to multi-aged management: individual-tree response to partial harvesting and the influence of site quality". Redwood Region Forest Marketing and Management Opportunities Extension Seminar, March 6, 2013.
- Eureka, California. 2013. Invited speaker: "Stand density and spatial pattern in coast redwood: implications for timber management and carbon sequestration". Redwood Region Forest Marketing and Management Opportunities Extension Seminar, March 6, 2013.
- Arcata, California. 2012. Keynote address: "Integrating research with monitoring objectives in forest restoration". The North Coast Forest Restoration Cooperative Annual Meeting, November 14, 2012.
- Incline Village, Nevada. 2012. "Aspen growth and vigor around the Lake Tahoe Basin: effects of crowding and conifer antagonism". Tahoe Science Conference, May 22-24, 2012.
- Santa Cruz, California. 2011. Conference Moderator for "Silviculture and Restoration" session. Redwood Science Symposium, June 21-23, 2011.
- Santa Cruz, California. 2011. "Coast redwood live crown and sapwood dynamics". Redwood Science Symposium, June 21-23, 2011.
- Santa Cruz, California. 2011. "Stand density and spatial pattern in coast redwood: implications for management, research, and carbon sequestration". Redwood Science Symposium, June 21-23, 2011.
- Incline Village, Nevada. 2010. "Stocking guidelines for aspen restoration". Decision Support System Conference, Tahoe Science Consortium, November 3-5, 2010.
- Valness, C.M.; Berrill, J-P.; Libby, W.J. 2010. Effects of differential brush competition on giant sequoia and mixed conifer associates in a common garden trial. Ecological Society of America Annual Conference, Pittsburg, PA. August 2010. (Poster presentation).
- Redding, California. 2010. "Overview of classic silvicultural systems". Forest Landowners of California annual meeting: Forest Management Options for the Future. April 29-May 1, 2010.
- Dagley, C.M.; Berrill, J-P. 2010. A monitoring strategy for riparian forest restoration. 5th Biennial Lake Tahoe Basin Science Conference; Measuring Success of Ecosystem Restoration in Lake Tahoe Basin. Incline Village, NV. March 2010. (Poster presentation).
- Sacramento, California. 2010. "An overview of silviculture in the redwood region" California Licensed Foresters Association annual conference, March 5, 2010.

## PASCAL BERRILL

- Rome, Italy. 2009. "An economical and compact experimental design to evaluate restoration treatments". IUFRO Conference on: Innovation and New Horizons in Tree Nursery Stock Production and Forest Restoration from Research to Business, March 12-14, 2009.
- Arcata, California. 2009. Public lecture: "Coast redwood forest ecology" City of Arcata Community Forest Lecture Series. Arcata Marsh Interpretive Center, January, 2009.
- Zaragoza, Spain. 2005. "Old growth redwood forest restoration: growth, structure and interim yields under variable retention management". SER World Ecological Restoration Conference, Sept. 2005.
- Rohnert Park, California. 2004. "Modeling coast redwood variable retention management regimes". Redwood Science Symposium: What does the future hold? March 15-17, 2004.
- Helsinki, Finland. 2003. "Comparing even aged and multiaged coast redwood stand growth and yield using leaf area allocation". IUFRO Uneven-aged Conference, May 2003.

### **Awards**

- HSU Department of Forestry & Wildland Resources "Outstanding Faculty of the Year 2017", voted by students.
- HSU "Promising Faculty Scholar Award 2012", for outstanding research and scholarly activities.

### **Service**

- Lead role in preparation of SAF accreditation self-study report, which led to re-accreditation in 2015.

### **Grants**

- 2008–2018 (Humboldt State University): authored and secured >20 grants for forest monitoring and research projects, totaling ~\$1,625,000 (Principal Investigator only).
-