



KEVIN C VOGLER – SPATIAL ANALYST — FIRE MODELING LEAD

NARRATIVE

Kevin Vogler has experience in wildfire management, research development and application, with emphasis on understanding wildfire risk and prioritization of fuel reduction treatments to address that risk. Kevin has experience in spatial data analysis, fire behavior modeling, and developing data processing tools for local to national-scale projects. His past research work includes developing methods for wildfire risk mapping, fuel treatment prioritization, logging and transportation cost analysis, forest growth and yield modeling, and biomass/carbon assessment. His wildfire and silvicultural modeling expertise are grounded in previous field positions, collecting data on first order fire effects and wildfire disturbance history, as well as working on prescribed fire assignments in nine different states.

ACCOMPLISHMENTS

- Led efforts to map wildfire risk at various scales including for the entire United States using the FSim modeling software.
- Collaborated with 4FRI planning team to develop a restoration prioritization plan for Northern Arizona that balanced ecological and economic objectives.
- Worked collaboratively with researchers from multiple universities to estimate and map biomass availability in the Pacific Northwest as part of the NARA project.

WORK HISTORY

Spatial Wildfire Analyst – Fire Modeling Lead, Pyrologix LLC, Missoula, Montana
May 2016-Present

Geospatial Analyst / Faculty Research Assistant, TechTrend / Oregon State University, Corvallis, Oregon.
June 2014 – March 2017

Graduate Research Assistant, Oregon State University, Corvallis, Oregon.
January 2011 – June 2014

Trail Crew Leader, Student Conservation Association, Hudson Valley, New York.
July 2009 – October 2009

Fire Management Corp Member, The Nature Conservancy, Albany, New York.
May 2008 – June 2009

Biological Technician, Bandelier National Monument, Los Alamos, New Mexico.
May 2006 – November 2007

EDUCATION

M.S 2014	Forest Resources	Oregon State University
B.S. 2007	Environmental Science and Environmental Biology	Suny Oneonta

PUBLICATIONS

Scott, Joe H; Gilbertson-Day, Julie W; Moran, Christopher; Dillon, Gregory K; Short, Karen C; Vogler, Kevin C. 2020. Wildfire Risk to Communities: Spatial datasets of landscape-wide wildfire risk components for the United States. Fort Collins, CO: Forest Service Research Data Archive. <https://doi.org/10.2737/RDS-2020-0016>.

Short, Karen C; Finney, Mark A; Vogler, Kevin C; Scott, Joe H; Gilbertson-Day, Julie W; Grenfell, Isaac C. 2020. Spatial datasets of probabilistic wildfire risk components for the United States (270m). 2nd Edition. Fort Collins, CO: Forest Service Research Data Archive. <https://doi.org/10.2737/RDS-2016-0034-2>.

Short, Karen C.; Grenfell, Isaac C.; Riley, Karin L.; Vogler, Kevin C. 2020. Pyromes of the conterminous United States. Fort Collins, CO: Forest Service Research Data Archive. <https://doi.org/10.2737/RDS2020-0020>

Ager, A.; Vogler, K.; Day, M, Bailey, J. Economic opportunities, and trade-offs in collaborative forest landscape restoration. *Environmental Economics*. 2017.

Ager, A.; Day, M.; Vogler, K. Production possibility frontiers and socio-ecological tradeoffs for restoration of fire adapted forests. *Journal of Environmental Management* 2016, 176, 157-168.

Vogler, K.; Ager, A.; Day, M.; Jennings, M.; Bailey, J. Prioritization of forest restoration projects; tradeoffs between wildfire protection, ecological restoration, and economic objectives. *Forests* 2015, 6, 4403-4420.

Vogler, K.; Ager, A.; Day, M.; Jennings, M. Prioritizing Forest Restoration Projects with the Landscape Treatment Designer: A Case study on the Wallowa-Whitman National Forest. 2015. A report.

Bailey, J., K. Vogler, D. Churchill, and A. Youngblood. 2015. Silvicultural Approaches to Restoring Resilient Landscapes for Northern Spotted Owls. Chapter 4. In *Silviculture and monitoring guidelines for integrating restoration of dry mixed-conifer forest and spotted owl habitat management in the eastern Cascade Range*. Gen. Tech. Rep. PNW-GTR-915. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 158 p.