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EDUCATION

2003 Ph.D., Forest Ecosystem Analysis, University of Washington, Seattle
1996 M.S., Forest Ecosystem Analysis, University of Washington, Seattle
1992 B.S., The Evergreen State College, Olympia, Washington

PROFESSIONAL EXPERIENCE

2003 – 2012 Research Scientist. Fire and Environmental Applications Team, USDA Forest Service and College of Forest Resources, University of Washington, Seattle.

1998-2003 Research Assistant. College of Forest Resources, University of Washington, Seattle.

2000 Instructor. College of Forest Resources, University of Washington, Seattle.

1996-1998 Forest Ecologist. The Pacific Forest Trust, Boonville, California.

1993-1996 Research and Teaching Assistant. Cooperative Park Studies Unit, University of Washington, Seattle.

RECENT PUBLICATIONS

Prichard, S.J., Freed, T., and Peterson, D.L. *In Prep*. Predicting fire severity following an extreme wildfire event: effects of fuel treatment, landform, and weather.

Prichard, S.J., Karau, E., Ottmar, R.D., and Wright, C. *In Prep*. A comparison of the Consume and FOFEM fuel consumption models using field data collected in the southeastern United States.

Prichard, S.J., and Kennedy, M.C. *In Review*. Fuel treatment effects on postfire tree mortality and beetle attack in dry mixed conifer forests, Washington State, USA. *International Journal of Wildland Fire*.

Ottmar, R.D., **Prichard, S.J.** Parresol, B.R. *In Press*. Fuel treatment effectiveness in forests of the Upper Atlantic Coastal Plain – an evaluation at two spatial scales. *Forest Ecology and Management*.

- Prichard, S.J.**, Peterson, D.L. and Jacobson, K. 2010. Fuel treatments alter the effects of wildfire in dry mixed conifer forest, north-central Washington, USA. *Canadian Journal of Forest Research* 40:1615-1626.
- Hollis, J.J., Matthews, S. Ottmar, R.D., **Prichard, S.J.**, Finney, M.A. Slijepcevic, A. Burrows, N.D., Ward, B., Tolhurst, K.G., Anderson, W.R., and Gould, J.S. 2010. Testing woody fuel consumption models for application in Australian southern eucalypt forest fires. *Forest Ecology and Management* 260:948-964.
- Prichard, S.J.**, Z. Gedalof, W.W. Oswald, and D.L. Peterson. 2009. Holocene fire and vegetation dynamics in a montane forest, North Cascade Range, Washington, USA. *Quaternary Research* 72(1):57-67.
- Gavin, D.G., Hallett, D.J., Hu, F.S., Lertzman, K.P., **Prichard, S.J.**, Brown, K.J., Lynch, J.A., Bartlein, P.J. and Peterson, D.L. 2007. Forest fire and climate change in western North America: Insights from sediment charcoal records. Frontiers in Ecology and the Environment. [Open Access Issue].
- Ottmar, R.D., Sandberg, D.V., Riccardi, C.L. and **Prichard, S.J.** 2007. An overview of the Fuel Characteristic Classification System — quantifying, classifying, and creating fuelbeds for resource planning. *Canadian Journal of Forest Research* 37: 2383-2393.
- Riccardi, C.L., **Prichard, S.J.**, Sandberg, D.V. and R.D. Ottmar. 2007. Calculating physical characteristics of wildland fuels in the Fuel Characteristic Classification System. *Canadian Journal of Forest Research* 37: 2413-2420.
- Wright, C.S., **Prichard, S.J.**, Vihnanek, R.E. and Ottmar, R.D. 2006. Predicting fuel consumption from prescribed burning trials in western forest and shrublands. Proceedings of the 3rd International Fire Ecology and Management Congress, San Diego, CA.
- Wright, C.S. and **Prichard, S.J.** 2006. Biomass consumption in big sagebrush ecosystems. In: Andrews, P.L, B.W. Butler (eds.) How to Measure Success: Conference Proceedings. 28-30 March 2006; Portland, OR. Proceedings RMRS-P-41. U.S. Department of Agriculture Forest Service, Rocky Mountain Research Station, Fort Collins, CO.
- McKenzie, D., **Prichard, S.J.**, Hessel, A.E. and Peterson, D.L. 2004. Empirical/statistical approaches to modelling wildland fire in the Pacific Northwest, USA. Chapter 23 in L. Buse and A. Perera, eds. *Emulating Natural Forest Landscape Disturbances: concepts and applications*. Columbia University Press, New York, NY.
- Prichard, S.J.** 2003. Spatial and Temporal Dynamics of Fire and Vegetation Change in Thunder Creek Watershed, North Cascades National Park, Washington. Ph.D. Dissertation, University of Washington, Seattle.

D.L. Peterson, **Prichard, S.J.**, McKenzie. D. 2000. Disturbance in mountain forests. In Price, M.F. and N. Butt. (eds.) *Forests in Sustainable Mountain Development: a State of Knowledge Report for 2000*. CABI Publishing, UK.

Prichard, S.J. and Peterson, D.L. 2000. Carbon distribution in subalpine forests and meadows of the Olympic Mountains, Washington. *Soil Science Society of America Journal* 62:789-796.