**STACY A. DRURY**
Senior Fire Ecologist

Sonoma Technology, Inc.

1455 N. McDowell Blvd., Suite D
Petaluma, CA 94954-6503
707.665.9900
Fax: 707.665.9800
www.sonomatech.com

**Educational Background**

Ph.D., Biogeography, University of Colorado, Boulder
M.S., Biological Sciences, Wright State University
B.S., Terrestrial Ecology, Western Washington University

**Professional Experience**

Dr. Drury joined STI in 2009 as a Forest Ecologist and was promoted one year later to Senior Fire Ecologist. His efforts focus on developing and improving vegetation data and fire and fuel models through the use of new data, research, and information systems.

Dr. Drury is currently working on several fire and fuels-related projects at STI, including the Interagency Fuels Treatment Decision Support System (IFT-DSS), the BlueSky smoke modeling framework, and the Smoke and Emissions Model Intercomparison Project (SEMIP). As a Senior Fire Ecologist, Dr. Drury examines issues associated with forest and fire ecology such as the relationships among fire occurrence, fire severity and effects, climate, and vegetation characteristics.

Before joining STI, Dr. Drury worked as a Forester and Physical Science Technician for the Fire and Environmental Research group (FERA) at the Pacific Northwest Research Station in Seattle, Washington. Later, he worked as a Forester for the Yukon Flats National Wildlife Refuge in Fairbanks, Alaska, and as a Fire Ecologist and GIS Specialist in the Fire, Fuels, and Smoke Science Program at the Rocky Mountain Research Station's Fire Laboratory in Missoula, Montana. As a FERA team member, Dr. Drury conducted research on fuel moisture and forest fuel consumption in both prescribed and wildfire settings. Dr. Drury also participated in a wildland firefighter smoke exposure study and led field crews during the development of a Nationwide Photo Series for quantifying forest fuels. With the Yukon Flats National Wildlife Refuge, Dr. Drury conducted a fire history study in Alaskan interior spruce forests and evaluated the efficacy of the Canadian Forest Fire Danger Rating system in interior Alaska.

At the Missoula Fire Lab, Dr. Drury was involved with the development and evaluation of a spatially consistent tree-list database and map for the United States using the LANDFIRE data products. He developed GIS data for a variety of applications, including the development of land cover data for use in the Ecosystem Management Decision Support (EMDS) system. As part of the EMDS work, LANDFIRE data were used as input to the fire research model FIREHARM to create spatial fields of predicted fire effects and behavior. In addition, Dr. Drury evaluated the accuracy of the FIREHARM model predictions by comparing FIREHARM simulation results to observed wildfire effects on recently burned landscapes.

Dr. Drury received his doctoral degree in Biogeography from the University of Colorado at Boulder. During his research, Dr. Drury examined the effects of climate and disturbance on Madrean Pine-Oak forests in Mexico's Sierra Madre Occidental. He designed and implemented a study that used standard dendrochronological techniques to describe the relationships between fire occurrence, climate, and changes in land use practices in xeric forests in North-Central Mexico.

Dr. Drury is proficient in the use of many software tools, including ArcGIS, SAS, FHX2, COFECHA, FOFEM, CONSUME, BEHAVE, FARSITE, and MS Office programs. He has used the VBA and Python programming languages.

*See STI's website, http://www.sonomatech.com/resumes.htm, for a list of publications.*