

Ph.D. Graduate Research Opportunity:

At the Department of Ecosystem Science and Sustainability and the Natural Resource Ecology Laboratory, Colorado State University, we are working with colleagues at Columbia University and our own Department of Agriculture and Resource Economics to optimize delivery of clean water and food commodities to New York City. A PhD position will be funded through a project supported by the USDA and another project supported by the Foundation for Food and Agriculture. The student will lead in applying the L-Range model (L-Range.com) to areas of New York, assist in using L-Range input in SWAT hydrology simulations, and work with project participants to create a connected tool to represent best management practices in state pasturelands. The student will also assist in creating an agent-based model of supply chains provisioning commodities (i.e., beef, beans, and lettuce) to New York City.

A Graduate Research Assistantship is available for a well-qualified Ph.D. student to develop an independent research project within the context of the broader research. The project will include an on-site component, working with local stakeholders to ensure models are representative and address pertinent questions. The Ph.D. student will be working with Dr. Boone and other project participants to construct and use the simulation models.

We seek a well-qualified and self-motivated student holding an M.S. degree. Computer programming experience will be helpful, as will an ability to work effectively in a team setting. To apply, send the following information by email to Randall Boone: 1) a cover letter outlining your research interests and experience, 2) a detailed CV, and 3) contact information for at least 2 academic referees. Members of under-represented groups are encouraged to apply. Graduate student stipend and tuition fees are available for 3 years, subject to satisfactory progress in both coursework and research. A fourth year of support through teaching assistantships is anticipated.

Contact:

Dr. Randall Boone

Department of Ecosystem Science and Sustainability

1476 Campus Delivery

Colorado State University

Fort Collins, CO 80523-1499

Email: Randall.Boone@ColoState.edu

Phone: 970-491-1806

Web: RandallBoone.org