



United States  
Department of  
Agriculture

Forest  
Service

White Mountain  
National Forest

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File Code: 2720

Date: March 31, 2008

Melany Fisk  
Assistant Professor  
Department of Zoology,  
Miami University  
Oxford, OH 45056

Dear Ms. Fisk:

Thank you for your inquiry regarding the nutrient addition experiment to examine the relative roles of several nutrients in regulating forest growth and nutrient cycling processes in Jeffers Brook Watershed, site to be determined at a later date. Three forest plots will be established (50 x 50 m each) in a mature stand and 3 in an adjacent mid-age (30-40 yr) stand. Each age stand plot is to have one control plot, one fertilized with N (50 kg/ha/yr as NH<sub>4</sub> NO<sub>3</sub>) and one fertilized with P (50 kg/ha/yr as NaH<sub>2</sub>PO<sub>4</sub>). Litterfall will be measured using baskets and tree growth with dendrometer bands. Foliage samples and wood/twig samples will be collected in order to estimate aboveground biomass nutrient content. Soil analyses will be collected and involve coring (5, 10 cm diameter cores) to quantify root responses to nutrient patches, small mesh bags filled with sand to quantify fungal growth, and soil collection for N, P, and microbial analyses. This study will be taking place through December 2011.

We have determined that a special use permit is not required for this activity. However, we would like to have all flagging used and trash removed from the study zone when finished.

We would appreciate any information you could provide us from this research so we are able to use this information in the future to make better decisions on forest management.

Please feel free to contact Robert "Andy" Colter (603-528-8763; [rcolter@fs.fed.us](mailto:rcolter@fs.fed.us)) if you have any further questions.

Sincerely,

*/s/ Thomas G. Wagner*  
THOMAS G. WAGNER  
Forest Supervisor

