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| File Code: | | 2720 |
| Date: | | December 7, 2012 |
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| Ruth D. Yanai | |
| Department of Forest and Natural Resources Management SUNY College of Environmental Science | |
| B9 Marshall Hall (Mailing: 105 Marshall Hall) | |
| 1 Forestry Drive | |
| Syracuse, NY 13210 | |

Dear Professor Yanai:

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 map attached. Four forest plots will be establish (3 at 50 x 50 m and 1 at 30m x 30m each) in a mature stand and 4 in an adjacent mid-age (30-40 yr) stand. Each age stand is to have one control plot, one fertilized with N (50 kg/ha/yr as NH4 NO3), one fertilized with P (50 kg/ha/yr as NaH2PO4), one fertilized with N+P and one fertilized with Ca (150kg Ca/ha as CaSiO3). 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 involves 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 2015.

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 (603-536-6229; [rcolter@fs.fed.us](mailto:lprout@fs.fed.us)) if you have any further questions.

Sincerely,

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| */s/ Dee Hines* |
| DEE HINES |
| Deputy Forest Supervisor |