

From: [Matt Vadeboncoeur](mailto:Matt.Vadeboncoeur)
To: [Brisette, John -FS](mailto:Brisette.John-FS)
Cc: myamasaki@fs.fed.us; [Ruth Yanai](#); [Forest Ecology](#)
Subject: Re: FW: NEON Summer 2013 Site Research Information Needing Your Attention
Date: Thursday, March 28, 2013 12:28:13 PM

John and Markio -

I am writing on behalf of the cooperators of the MELNHE project (N, P, and Ca fertilization project; <http://www.esf.edu/melnhe>), including Ruth Yanai, Melany Fisk, Tim Fahey, Joel Blum, Heidi Asbjornsen, and Mark Green, to communicate a few potential conflicts between our work and that planned by NEON:

Plot 48999 for tick monitoring is within one of our control plots, C8-2. In order to avoid disturbing markers and equipment within this plot, as well as to reduce soil compaction at this intensively studied and instrumented location, we request that the tick monitoring plot be relocated.

We would also like to make NEON investigators aware that plant/insect/soil **plot 103** is very close (~20m) and downslope of one of our ammonium nitrate fertilization plots (C7-1). Depending on the size of the plot and its precise location (if it overlaps with ours), it might be confusing if NEON tags trees that we have already tagged. Also, NEON may wish to avoid measuring soil biogeochemistry and plant production at this location, part of which may be artificially enriched in N availability.

In all cases, when navigating to other nearby plots, we request that NEON investigators go around rather than through our plots, to avoid unnecessary additional soil compaction. Our plots are highly visible, and are marked with orange or blue PVC stakes on a 10m grid. Trees are tagged within these areas, and there are currently five blue litter baskets in each plot, in addition to other assorted equipment (respiration collars, minirhizotron tubes, etc). Walking through the non-gridded "buffer" areas on the perimeter of each plot (marked only with pink stakes at the corners) would not pose a problem.

Finally, there are three other plant/soil plots that are adjacent to (**327**) or within the bounds (**311**, **346**) of Federer chronosequence of long-term soil/vegetation monitoring plots. There are over 25 years of forest floor monitoring data at these sites (starting with Tony Federer, then passing to Ruth Yanai and Mary Arthur), and in 2012 Ruth Yanai's lab did a vegetation re-inventory. Each of these is an array of five 30-50m transects at 5-15m spacing, marked with orange PVC stakes. I sent a GIS file of these to Jon Janelle recently, I think. How large are the NEON soil/plant sampling plots? We wouldn't want this activity to interfere with future soil sampling that we may wish to do, given the investment already made in establishing long-term records for these sites.

I can send GIS files of the plots in question directly to NEON if that would help.

Thank you for keeping us informed,

-- matt

On 3/27/2013 3:39 PM, Yamasaki, Mariko -FS wrote:

Good afternoon everyone,

Attached are the most recent plans for NEON 2013 sampling efforts we received last week. There have been many changes and additions to the initial 30 FSU plots we received back in 2010. In order to coordinate cooperator research locations with the proposed NEON plots, **I am asking you all** to check the proposed lat/longs in the Excel spreadsheet (attached above) with your particular sampling locations. Please check the PDFs (attached) describing the type of sampling (tick, beetle, mosquito, plant productivity, soil biogeochemistry) and if you have any potential concerns for your research plots, please identify the NEON plots in question, what your concerns are for the involved plot(s), and possible ways to resolve those particular concerns.

Please send your comments (affirming you've checked and things are okay or if you have concerns) directly to John Brissette, PL-NRS-07 and cc: me by 5 April 2013 at the latest. I thank you all for taking this additional step to ensure a smooth upcoming field season.

Respectfully,
Mariko

Mariko Yamasaki, Silviculture/Wildlife Team Leader
Forest Sciences Laboratory
271 Mast Road
Durham, NH 03824
E-mail: myamasaki@fs.fed.us
Phone: 603-868-7659
Fax: 603-868-7604

From: Diana Scott [<mailto:dscott@neoninc.org>]
Sent: Thursday, March 21, 2013 5:26 PM
To: Yamasaki, Mariko -FS
Cc: Brissette, John -FS; Wilson, Rodney M -FS
Subject: NEON Summer 2013 Site Research

Mariko,
Attached is the Research Application along with PDF documents of maps and plot

coordinate locations. There are some contingency plot locations, please let us know which plots conflict with existing research projects. I've also included the U.S. Forest Service Decision Memo for the Project. Please feel free to contact me with any questions or comments. Thank you in advance for your time and continued cooperation with the NEON project.

Diana Scott
Environmental Permitting & Safety Coordinator
NEON Inc.
1685 38th Street Suite 100
Boulder, CO, 80301
720-330-1533
dscott@neoninc.org
www.neoninc.org

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Matthew A. Vadeboncoeur
Earth Systems Research Center
Institute for the Study of Earth, Oceans, and Space
University of New Hampshire
8 College Road, Durham, NH 03824 USA
office: 603-862-4448 cell: 401.787.8937
<http://www.hubbardbrook.org/people/view.php?id=109>