From: SFRC Pinemap Aim 1 on behalf of Lokuta,Geoffrey M
To: PINEMAP_AIM1-L@LISTS.UFL.EDU
Subject: Re: Aim 1 Conference Call Monday October 15 at 9:00-10:00 AM
Date: Thursday, October 11, 2012 7:37:25 PM

Tom,

It appears we have our mouths full already with this agenda, but I have two additional questions:

1) Ive previously asked some of the group but would like to get a final decision- litterfall collection @ Tier III sites. Are we only concerned with pine needle collection...or is pine wood, deciduous leave, and miscellaneous (minute needle fragments, pine bark, other particles) collection required. As we do on our other studies, I have been having my guys separate into these 4 components and weighting each (nearest 0.1 g). If we only need to weigh the pine needle component, we will leave larger branches in the field, and in the lab we will only separate and weight needles.

2) Any talk going on about Tier II soil moisture sensor deployment? Each region owns (6) CR200X dataloggers and (12) wired probes with 40' cable lengths. Its my understanding each region will have probes occupy 6 sites, each with two probes. What plots will these probes go in at a given site (control plots?)? How long will they be deployed at each site? What sites get probes? Will these probes rotate around a given region's sites on some interval? What depth will these probes be buried at (if buried at all)? Will these probes be buried at different depths given there are two at each site, or will these be two replicates at a single depth?

-Geoff

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From: SFRC Pinemap Aim 1 [PINEMAP_AIM1-L@LISTS.UFL.EDU] on behalf of Fox, Thomas [trfox@VT.EDU]
Sent: Thursday, October 11, 2012 1:53 PM
To: PINEMAP_AIM1-L@LISTS.UFL.EDU
Subject: Aim 1 Conference Call Monday October 15 at 9:00-10:00 AM

Dear PINEMAP Aim 1 Members

The next conference call is scheduled for Monday October 15 at 9:00 AM

Conference Call Number: 866-842-5779
Conference Code: 5402318862

Agenda Items for the Call

1) Collection of wood samples from Tier II sites .
   Wen Lin a PhD student at NCSU is requesting that we provide cookies from trees at the Tier II sites. " This is Wen Lin, a NCSU PhD student. I am working with the stable isotopic

analysis of cores collected from Tier II sites with Drs Asko Noormets and JC Domec. Now we have developed a new method for cellulose extraction for this purpose and it comes to the fine tuning stage. I am currently evaluating the amount of resin the wood across PINEMAP range and will need your help in getting sufficient materials for the tests. I write to ask you to please send a 1-inch stem segment (cookie) from a centrally located Tier II site in each sub-region. The trees need to be at least 20 years old, so Tier III sites will not be best suited. The material may be from trees harvested earlier. However, in such a situation please indicate the time of felling. Thank you!"

2) Collection of wood Samples from Tier III sites.
Eric Ward is interested in getting wood samples from the Tier III sites. "Concerning the Tier 3 sites, Asko, JC and I were wondering if there were any removal or harvests of trees planned in the next year. It would be helpful to have site-specific sapwood to leaf area ratios and basic crown dimensions for scaling sap flux and modeling work. Obviously treatment effects would have to wait, but if trees were being removed outside of the plots or in the buffer area, they would be good for a baseline measurement. It may be good to touch base with the site managers during the call and see if they have anything planned so we can coordinate across sites."

3) The group at UF has raised some issues regarding the sampling protocals that are summarized below:

> The UF group here had a recent discussion and some questions came up that don't appear to be detailed in protocols or email correspondence, namely concerning Tier II sites and sampling. I would like to add these questions to the agenda for the next AIM1 Conference Call (OCTOBER 15, 9AM EST).
> >
> > 1) In the case of a study that includes plots of various genotypes (e.g, the FBRC PPINES installations are Genotype X Culture X Density trials), do we have a preference on which genotype(s) are selected? We feel if a region is assigned an installation managed by another coop, it should be documented which family the coop desires to be sampled. In addition, some studies may exhibit a strong blocking effect. Some blocks may have great growth, poor survival, or heavy disease incidence. If there is a desired replicate to be sampled, maybe this should be documented as well. If not, then the field crew can select whichever rep they desire.
> >
> > 2) Some trials contain both single family plots and mixed family plots. It is desirable to select one representative or superior family to sample, or select to sample the mixed family plot?
> >
> > 3) It is desired (per the wood core protocol) that no wood cores are taken in stands <5 yrs old. There are a number of studies assigned to UF currently under 5 years old. Putting wood cores aside, it is desired that these studies be sampled at any time (such as, this year at 2 YO) to capture some young stands and expand the

age range of our dataset, or is it best that these stands get sampled as late in the project as possible? These stands will have obvious differences in FF, understory veg, CWD, etc, compared with many of the mid-rotation stands if sampled at age 2. Though, whether sampled now at age 2, or later at age 6, I am not sure the difference will be drastic.
>
> 4) Andy has done a great job documenting as much data as possible for Tier II sites, down to which treatments/plots to measure. In addition, many have worked hard on soil Rs, IPAR/LAI, carbon, wood core, and other sampling protocols. Though some cases, its not clear for the field folks when sampling should occur (what times of the year), at what frequency sampling should occur (once, monthly, seasonally, yearly), and what the minimum number of sites are that need measured for each measurement (IPAR, LAI, CO2). It would be good to put these details on paper, especially with respect to minimum data required for modeling. For now, I am visiting sites with a "if the weather permits, or I have time, I will do it" attitude. If not, it gets noted in the file it wasnt done and I can go back later, if possible.
>
> I have put together a document that all can read and edit. If you participated in drafting a given protocol, it would be great to see these fields filled. As you will see, I filled in some fields with details gathered from the protocols. Once we finalize this, ill make it a permanent Excel document to archive.
>
> <https://docs.google.com/spreadsheet/ccc?key=0AoE3swrozQA7dG1mZlYtM1Q3WVpmQVVoRUpUcU5XRGc>
https://docs.google.com/spreadsheet/ccc?key=0AoE3swrozQA7dG1mZlYtM1Q3WVpmQVVoRUpUcU5XRGc

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4) Need for an Aim 1 Meeting outside PINEMAP Annual Meeting

5) Other Agenda Items?

Tom and Mike
Aim 1 Co-Leaders

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