

From: [SFRC Pinemap Aim 1](#) on behalf of [Will Rodney](#)
To: PINEMAP_AIM1-L@LISTS.UFL.EDU
Subject: RhRa protocol update
Date: Monday, January 28, 2013 3:47:19 PM

From 9:00-10:15 EST on 1/28, a subgroup of Aim I discussed protocols for separating autotrophic and heterotrophic respiration. Thanks to all who participated and to John Seiler and Brian Strahm in particular. Below I present a synopsis (please let me know if I mischaracterized anything) and what next steps are needed.

We agreed to adopt the general protocols developed by Seiler, Strahm, and Heim.

For Tier III, we decided to measure a minimum of three points in each plot. The excluder plots will have a point outside the excluder, at the edge of the excluder, and under the excluder. We agreed to install a set of cores in March and again in June. Further discussion at the PINEMAP annual meeting will determine whether sets of cores are placed in September and December. We agreed that a measurement of soil moisture was to be taken with a TDR system at time of final measurement. Brian Strahm agreed to finalize the general protocol as well as the specifics for Tier III.

We began a discussion of protocol of Tier II sites. The general protocol is readily adapted to Tier II. The points that were identified for further discussion were 1) timing, 2) numbers of sites, 3) number of samples within sites. **Timing** – assuming logistics dictates only measurements at time of installation and time of completion, when should they be deployed. One standard time per year or in some window of time? **Sites** – how many per region? Assuming a subset, which sites are priorities? **Samples per plot** – How many points per plot are needed?

*We need to resolve issues related to Tier II deployment before the PINEMAP annual meeting if we want to begin placing this spring. Rather than jam up folk's inboxes who are not interested, please email me **if you are interested** in being involved in an email dialogue on Tier II protocol.*

Thanks

Rod