**US-Syv: Sylvania Wilderness Area Leaf readme**

**Leaf Carbon and Nitrogen**

To explain the ID, SYL is for Sylvania and the letter after SYL denotes which subplot the sample was taken from. A-D is the plot right around the tower and E-H is the Hemlock plot on the peninsula. After that is the species of the tree the sample was taken from; SM is Sugar Maple, Hem is Hemlock, JB is Juneberry, Elm is Elm, CB is Canoe Birch, and NWC is Northern White Cedar. If the sample has bottom in its ID then the sample was taken from the bottom of the crown of the tree, Mid from the middle, and Top from the top.

**LAI**

LAI was taken as a cumulative measurement of the entirety of each hectare plot (tower/sugar maple plot and hemlock plot) using the LAI-2200C device. “Below” and “Above” wands were pointed in the same compass direction and 8 measurements were taken within each of the four subplots (radii=10m) in addition to three measurements in between subplots, for a total of 35 paired readings. K-corrections were also taken to account for time of day (midday).