**US-Los: Lost Creek Soil readme**

**Inorganic Carbon Test**

To explain the ID, LC stands for Lost Creek and the letters after LC denote which subplot the sample was taken from. Two samples were taken from each subplot so the number following the letters signifies whether it was the first or the second sample. HCL was poured on a sample of soil to test whether or not it contained any inorganic material. The no bubbling from all of the samples signaled there was no inorganic carbon in the samples. These samples were not the samples that were tested for carbon and nitrogen content.

**Soil Bulk Density**

Soil bulk density is calculated as a measure of dried soil mass separated from other matter (roots, rocks, etc.) per unit volume (g/cm3). Each sample was collected at a consistent ¼ ounce volume using a modified syringe, dried, sieved with a 2mm sieve, and weighed. Subplots separated into dry/forested plot, tower plot, and two river plots. Six samples taken from the forest plot, four from the tower, and three from each river plot. Three subsamples for each sample at depths of 0 cm, 15 cm and 30 cm (not including litter layer). Averages for each subplot calculated separately. Averages account for each depth profile within each plot.

**Soil Carbon and Nitrogen**

To explain the ID, LC stands for Lost Creek and the letter after LC denotes which subplot the sample was taken from. The number after the letter denotes at what depth that sample was taken from. So for example, 1 is on the surface, 2 is 15 cm under the ground, and 3 is 30 cm under the ground.

**Soil Temperature**

The temperature for each sample was taken at the base of each sample which was retrieved from 30cm under the ground. For the samples that were underwater, the temperature was taken from the material that was taken from 30cm underground. To explain the ID, LC stands for Lost Creek and the letter after LC denotes which subplot the sample was taken from. The number after the letter denotes if the sample was the first sample in the subplot, the second sample within the subplot, and so on.