**US-WCr: Willow Creek Soil readme**

**Inorganic Carbon Test**

To explain the ID, WC stands for Willow Creek and the letter after WC denotes 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 nitrogen and carbon content.

 **Soil Bulk Density**

Soil bulk density was 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. Each subplot had six samples, with three subsamples each at depths of 0 cm, 15 cm and 30 cm (not including litter layer).

**Soil Carbon and Nitrogen**

To explain the ID, WC stands for Willow Creek and the letter after WC denotes which subplot the sample came from. The number after the letter denotes which depth the sample was taken from. So for example, 1 denotes the surface, 2 is 15cm into the ground, and 3 is 30 cm into the ground.

**Soil Temperature**

To explain the ID, WC stands for Willow Creek and the letter after WC denotes which subplot the sample came from. The number after the letter denotes what number the sample was as there were six samples taken from each subplot. The temperature for each reading was taken at the base of the sample which was taken from 30cm underground.