Metadata for file: “SageSTEPbullhogShreddedDebris.csv”

In 2007-2008, the standard SageSTEP woodland subplots were destructively sampled for shredded fuels. On the uphill side of the 7 and 23-m transects lines, we placed the lower left-hand corner of the 0.25 x 0.25-m2 quadrats at 0.1, 2.1, 4.1, 6.1, 8.1, 10.1, 12.1, 14.1, 16.1, 18.1, 20.1, 22.1, 24.1, 26.1, and 28.1 m. The shredded debris from these 30 quadrats per subplot were collected by hand after the shredded fuels were cut around the perimeter of each quadrat with pruning loppers or a reciprocating saw for 1000-hr fuel pieces. All fuels size classes from the shredded tree debris were collected down to the soil or pre-existing black juniper litter mounds without collecting the black litter mound material. Fuel size classes included 1-hr fuels (0 - ¼ inch diameter), 10-hr fuels (¼ - 1 inch diameter), 100-hr fuels (1 - 3 inch diameter), and 1000-hr fuels (greater than 3 inch diameter). Collected fuels were oven dried for a minimum of 96 hrs at 60 °C and weighed by size class.

The terms bullhog, shred, mulch, and mastication all refer to the same treatment type.

**yrtrt**=year shredded with bullhog; Utah juniper or two-needle piñon trees were shredded in the fall of the year listed in this column

**yrcollect**=year we measured depth and collected shredded tree debris; trees debris was collected during summer

**scode**=SageSTEP woodland research sites; Greenville (GR), Onaqui (ON), Scipio (SC), and Stansbury (ST)

**pcode**=treatment plot code; G was used to represent tree shredding

**sp\_number**=SageSTEP woodland subplot number

**method**=shredded fuels were collected using a total of thirty 0.25 x 0.25-m2 quadrats per 30 x 33-m subplot

**mdep**= mean or average quadrat depth of shredded debris in centimeters averaged across the 30 quadrats per subplot, which included zeros when quadrats had no shredded debris; black litter mounds under the shredded debris were not included in depth measurements; we measured to the nearest 0.5 cm except when there was less than 100% quadrat cover of masticated debris when I would visually estimate what the few sticks in the quadrat would average in depth if they were spread very thinly across the quadrat, for example, 0.1 or 0.2 cm.

**f1**=sum of 1-hr fuel size class per subplot, 0 - ¼ inch diameter, shredded fuel biomass in kg/ha after being oven-dried for at least 96 hr at 60 °C

**f10**=sum of 1-hr fuel size class per subplot, 0 - ¼ inch diameter, shredded fuel biomass in kg/ha after being oven-dried for at least 96 hr at 60 °C

**f100**=sum of 100-hr fuel size class per subplot, 1 - 3 inch diameter, shredded fuel biomass in kg/ha after being oven-dried for at least 96 hr at 60 °C

**f1000**=sum of 1000-hr fuel size class per subplot, > 3 inch diameter, shredded fuel biomass in kg/ha after being oven-dried for at least 96 hr at 60 °C

**ftotal**=sum of all fuel size classes per subplot, shredded fuel biomass in kg/ha after being oven-dried for at least 96 hr at 60 °C