

Initial CBI and Stem Density/Daubenmire Cover Classes Notes 02/06/2007

- Brown needles are a sign of scorching (heat). Make sure to adjust CBI sheet accordingly and take into consideration whether you can see emerging new tips. If there are new tips assume that canopy mortality is low.
- When counting <2cm stems, only count stems that were present during the fire. These stems may still be alive, but do not count the newly emergent live stems.
- Count burned palmetto as dead.
- Only count plants as “alive” if they have green leaves or in the case of turkey oaks (deciduous trees), green branches.
- Take into account all forb and grass tissue in daubenmire frame measurements. It does not matter whether stems are alive or resprouts. These measurements should be a snapshot into the day’s measurements.
- Count all alive/dead stems separately for both Hardwoods and Pines.
- Do not count stem as alive unless there is still “green” present. Suckers/resprouts do not count at this time.
- Put plots in no less than 30m from roads, natural boundaries, or change in vegetation. Make sure area that plot has been placed within is burned. The burn may be patchy, but its edges need to be at least 30 meters in diameter.
- Plots should be 100 meters apart from one another.

Extended CBI and Stem Density/Daubenmire Cover Classes Notes 03/20/2007

- Substrates: Think back in time to what burn looked like immediately after the fire IF you can still detect the effects of the fire (i.e. burned needles, twigs, bark,ect.)
- Herbs: Think back in time to what the burn looked like immediately after the fire for %Foliage Altered IF you can still see burned twigs/grasses. If you can’t than DO NOT assume that you can tell what the burn severity was in the past. Most likely the effect of the fire on this layer will be gone within 1-2 years.
- Herbs: If new shoots are coming off blackened stems, then consider the plants (now blackened stems) to be alive. Palmettos almost always resprout.
- Herbs: SUCKERS are defined as new stems that are growing AWAY from the burned stem. If SUCKERS are present, you can count these as change in the colonizer category.
- Tall Shrubs: Only count tall shrubs as ALIVE if they have green. DO NOT count tall shrubs as alive, even if there are resprouts around the bases of the plant. Over time it will be impossible to distinguish the resprouts from the fire-killed tall shrubs. Palmettos are often in the Tall Shrub (>3 ft) category.
- Intermediate and Big Trees: What you have is what you get. DO NOT attempt to think back in time to what the trees looked like after the fire. Look closely to see if tree lost needles RECENTLY as the result of meristematic death.
- <2cm stems: Count all alive and dead stems. As time progresses dead stems will rot away, so counts should get progressively lower.
- >2cm stems: These stems should remain fairly constant over time. If they are resprouting from the original stem then count as alive. Do not count plant as alive if there is no green, although there may be RESPROUTS.