Protocol

1. All of the plots I am using are marked with a pink flag. In general flag colors correspond to the treatment
2. Plots are numbered with a steel tag on the lower right rebar, when you arrive at a plot, check this number to ensure you are in the correct plot
3. Upon arriving at a plot and after checking the plot number
   1. Remove grasses from southern subplot
   2. Remove background species (anything growing that is not one of the focal species) from BOTH plots
   3. For each species
      1. Check for mortality by counting off toothpicks and seeing if there is a living individual of that species near the toothpick; if there isn’t, remove the toothpick and record total number that died under “n.died”
      2. Record flowering
         1. Flo.A – number of individuals with buds
         2. Flo.B – number of individuals with open flowers
         3. Flo.C – number of individuals setting seed
      3. Record flower number (flo.1-flo.5)
         1. For 5 random individuals, record the number of flowers per individual
4. Most toothpicks are plastic and are easily discoverable however I ran out and had to use hand dyed toothpicks for some (CLGR, PLER, and HECO). Their color should still be distinguishable however be careful. If they look different, deduce what color they should be based on the individual they are near and place a new toothpick next to the individual if necessary.

|  |  |  |
| --- | --- | --- |
| **Species** | **Toothpick color** | **Flowering?** |
| Agoseris heterophylla (AGHE) | White | Yes |
| Clarkia gracilis (CLGR) | Pink/red | No |
| Hemizonia congesta (HECO) | Orange | No |
| Lasthenia californica (LACA) | Green | Yes |
| Calycadenia pauciflora | Blue | Yes |
| Plantago erecta (PLER) | Yellow | Yes |