# disturbance_stem_maps_group_c

*Jeff Atkins*

*April 4, 2019*

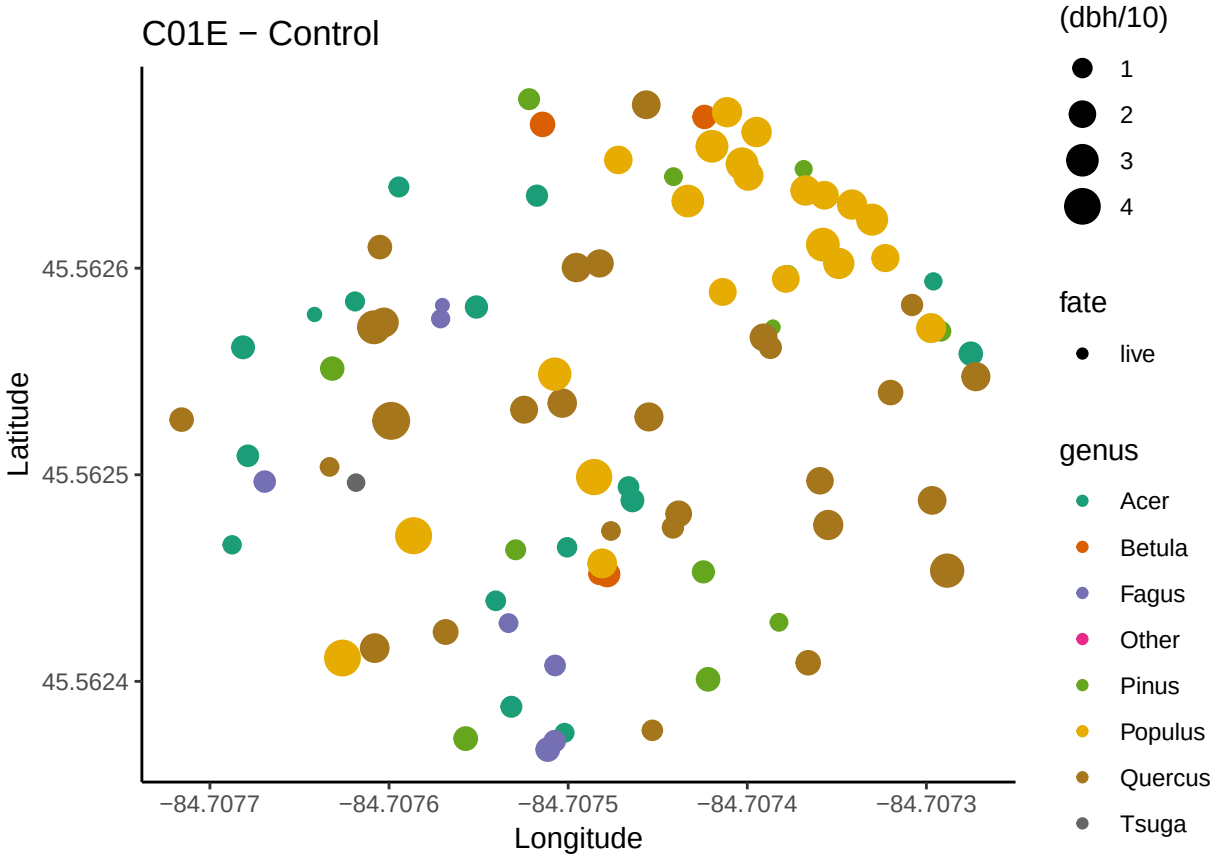
### Disturbance Stem Maps

The following document produces stem maps that assign mortality and treatments DRAFT DRAFT DRAFT

### C01

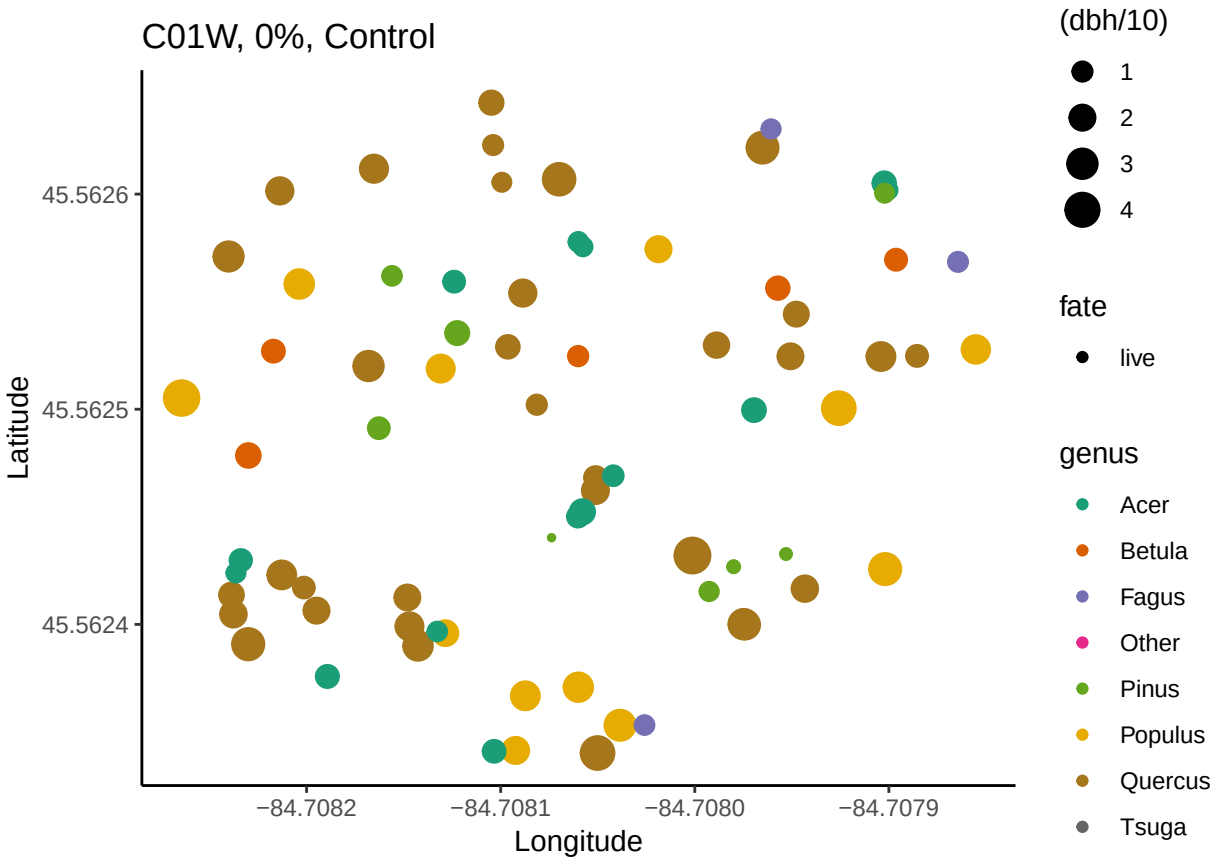
```
## C01E, 0%, Control
```

```
##
## live
##   91
```



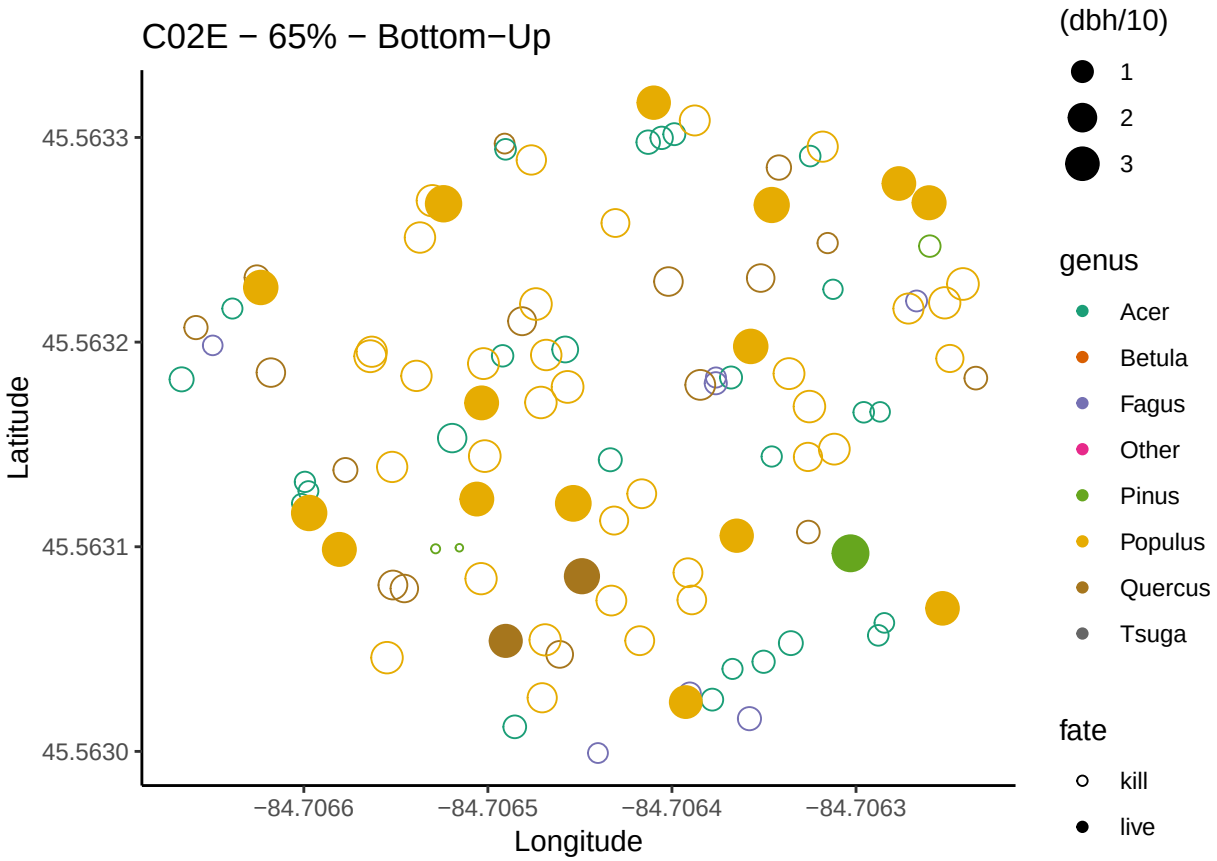

```
## C01W, 0%, Control
```

```
##
## live
##   75
```

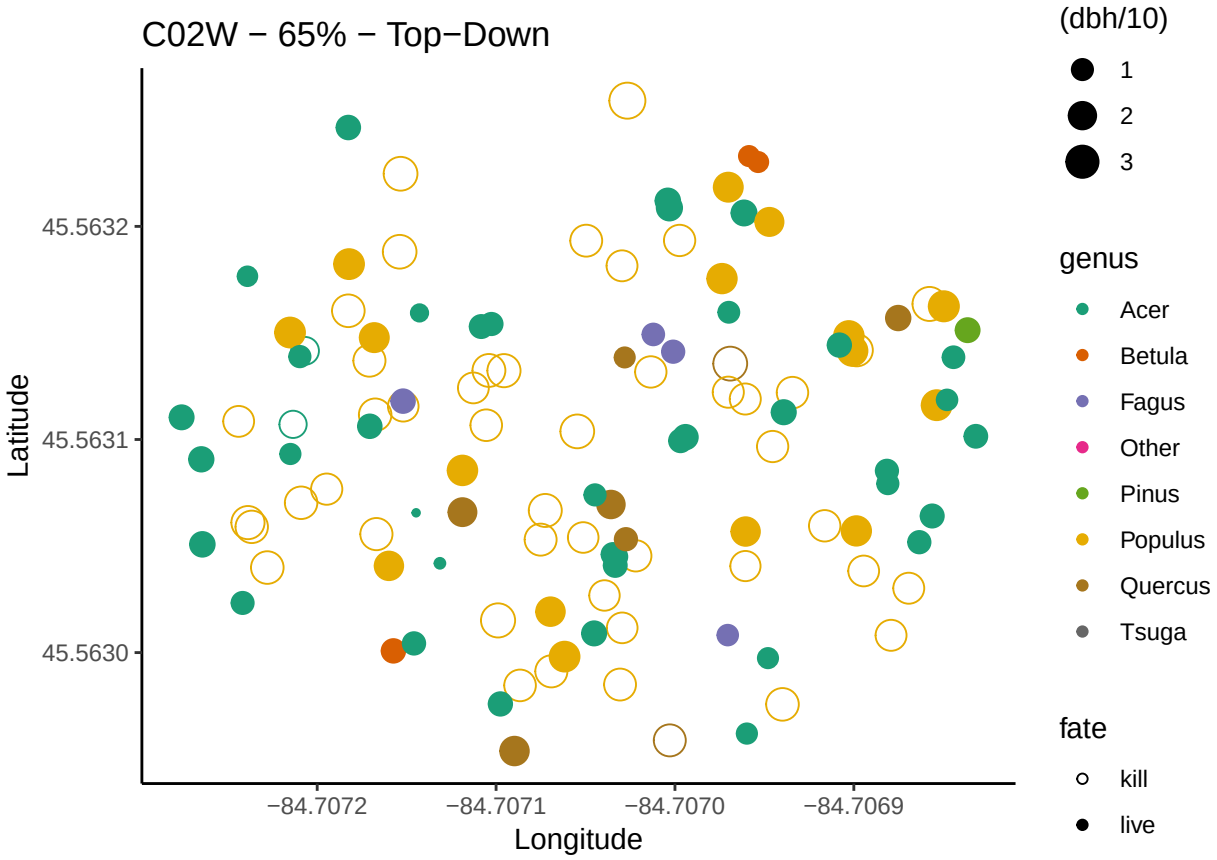



## C02

```
## C02E, 65%, bottom-down
## Plot LAI
## [1] 6.076819
##
## kill live
##   86   18
```

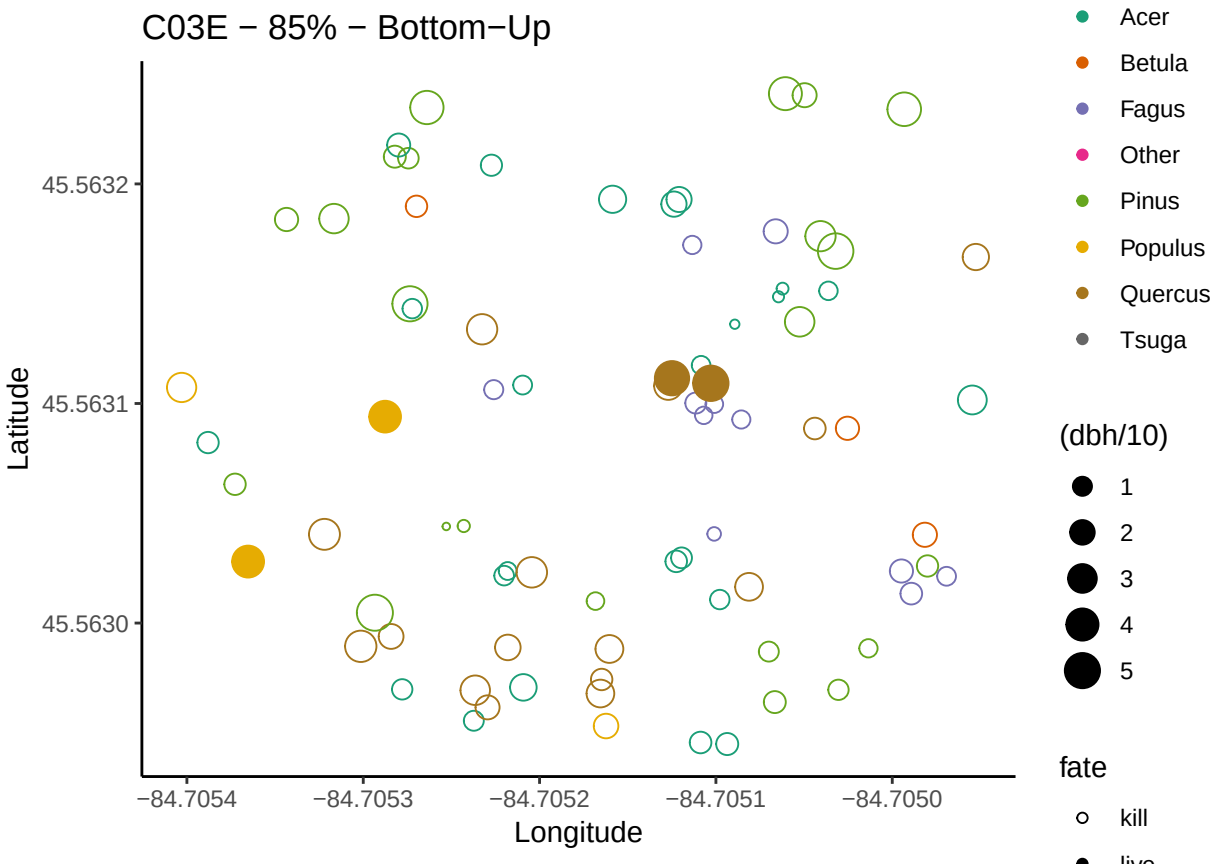



```
## C02W, 65%, Top-Down
## Plot LAI

## [1] 7.280626

##
## kill live
##   49   68
```




## C03

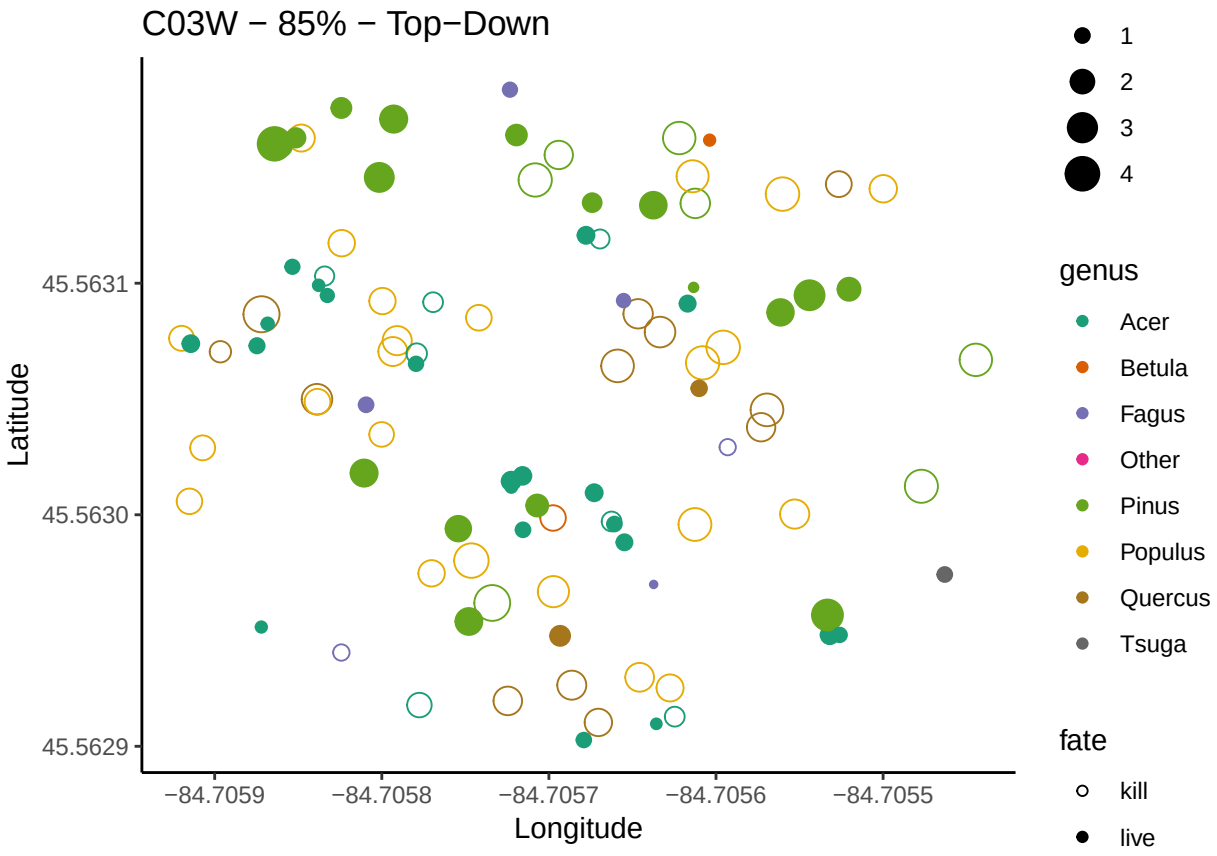
```
## C03E, 85%, Bottom-Up
## Plot LAI
## [1] 4.324047
##
## kill live
##   77    4
```




```
## C03W, 85%, Top-Down
## Plot LAI
```

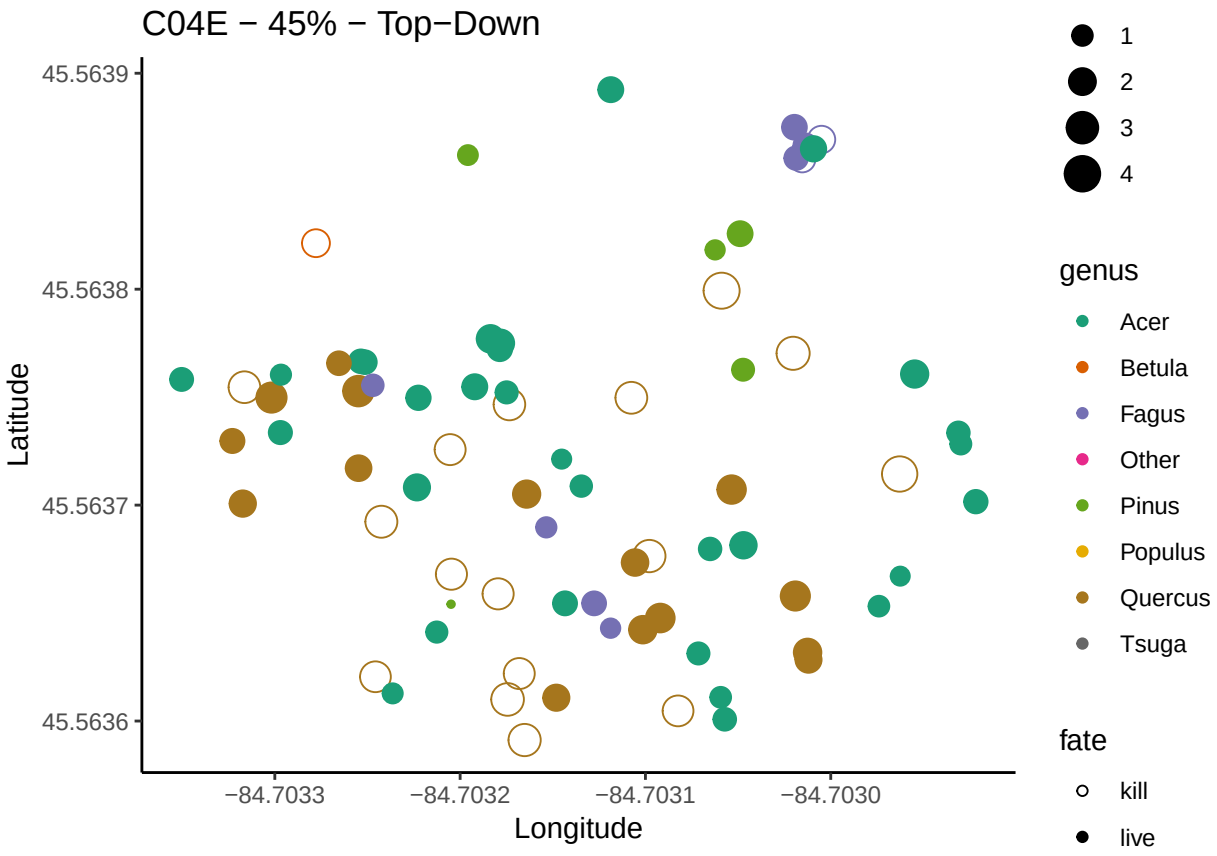
```
## [1] 6.61111
```

```
##
## kill live
##   52   47
```




## C04

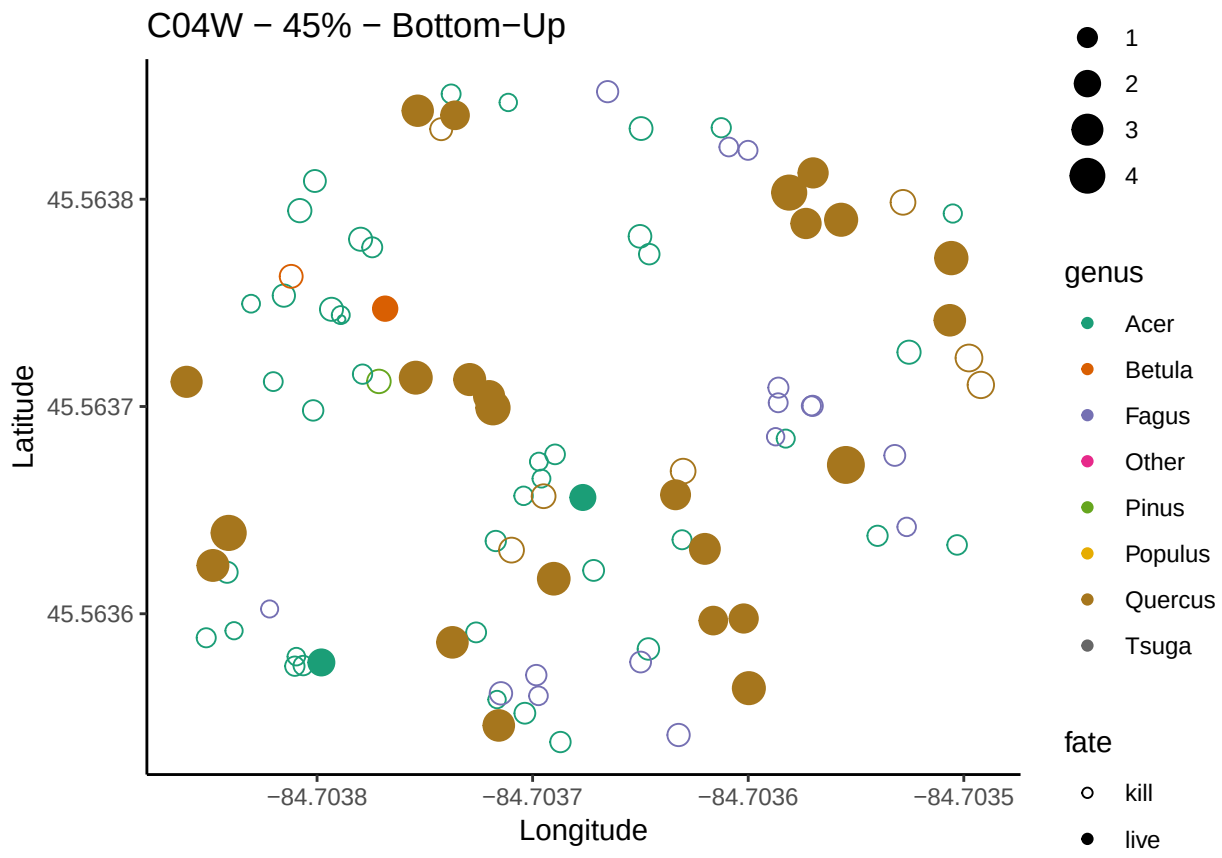
```
## C04E, 45%, top-down
## Plot LAI
## [1] 4.461615
##
## kill live
##   19   57
```



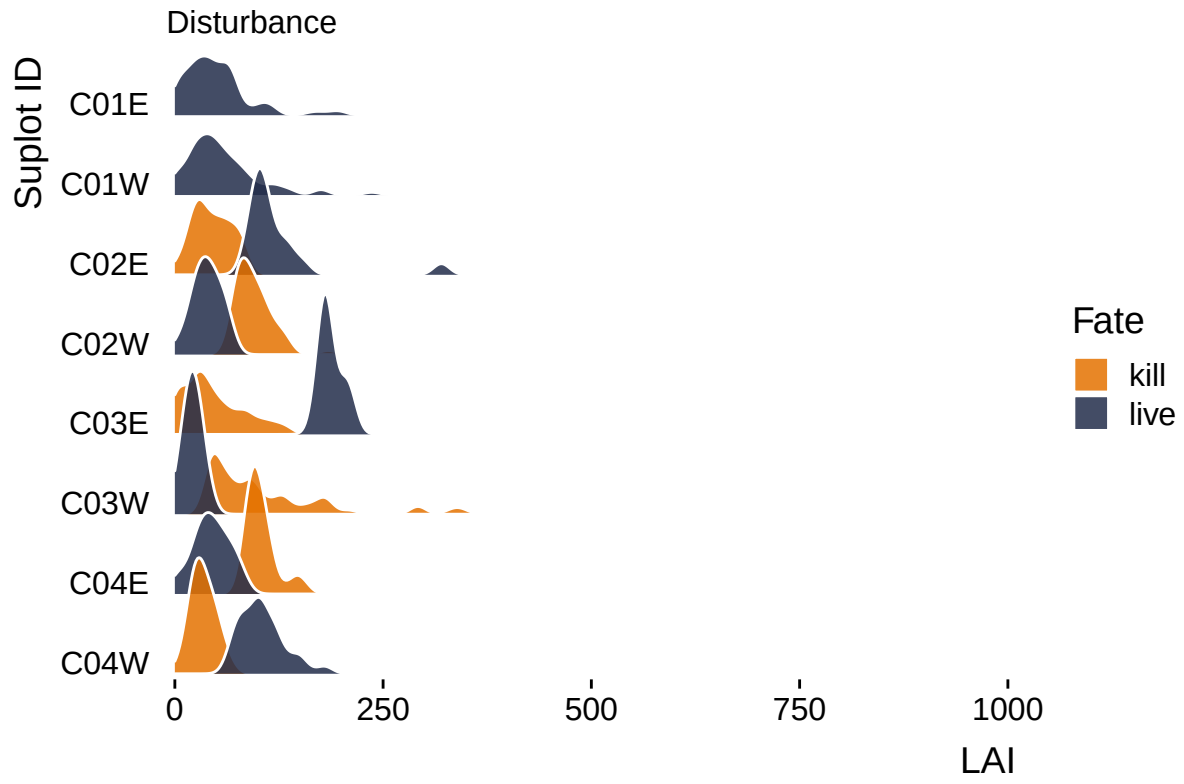

```
## C04W, 45%, Bottom-Down
## Plot LAI
```

```
## [1] 5.082257
```

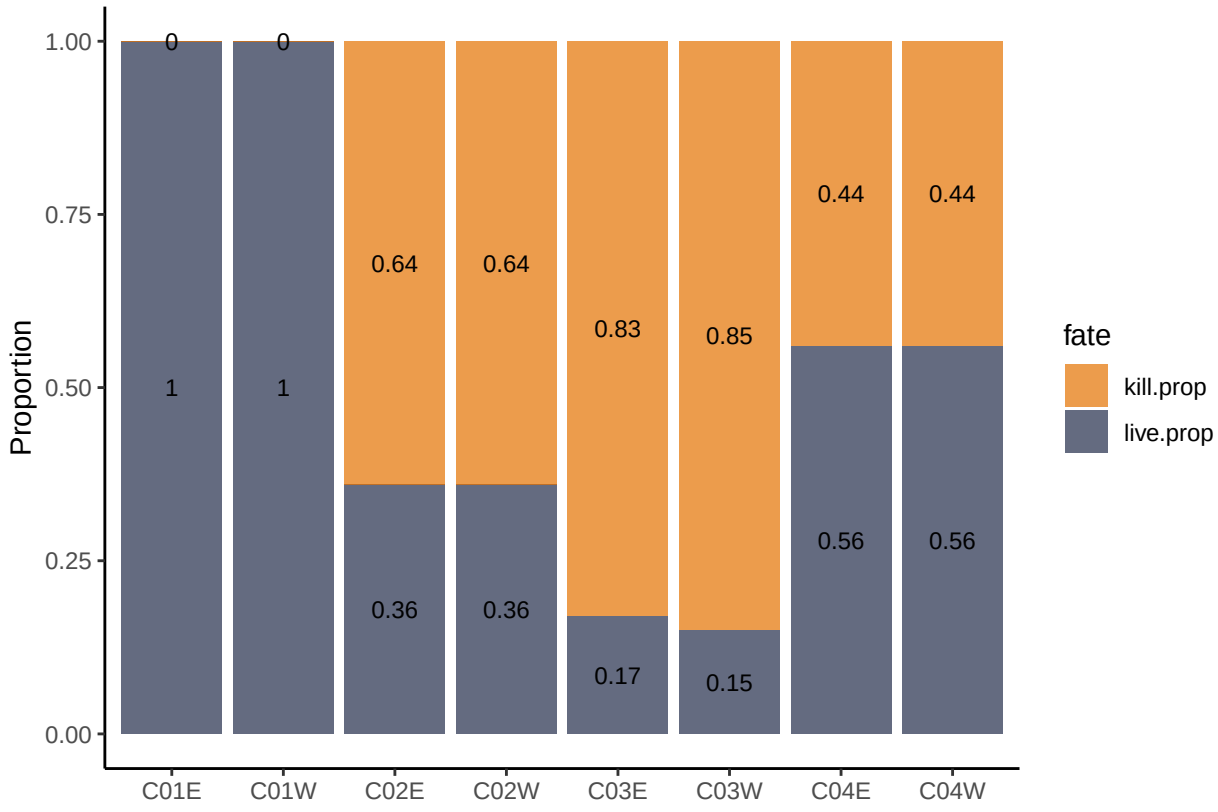
```
##
## kill live
##   66   27
```




```
## Picking joint bandwidth of 9.78
```




```
## Total mortality count

##
## kill live
##  349  387

## Estimated total number of trees killed for all 0.5 ha plots combined in Group C

## [1] 872.5
```


Proportion
1.00
0.75
0.50
0.25
0.00
0
0
0.64
0.64
0.83
0.85
0.44
0.44
1
1
0.36
0.36
0.17
0.15
0.56
0.56
C01E
C01W
C02E
C02W
C03E
C03W
C04E
C04W
fate
kill.prop
live.prop