Disturbance Stem Maps

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April 3, 2019

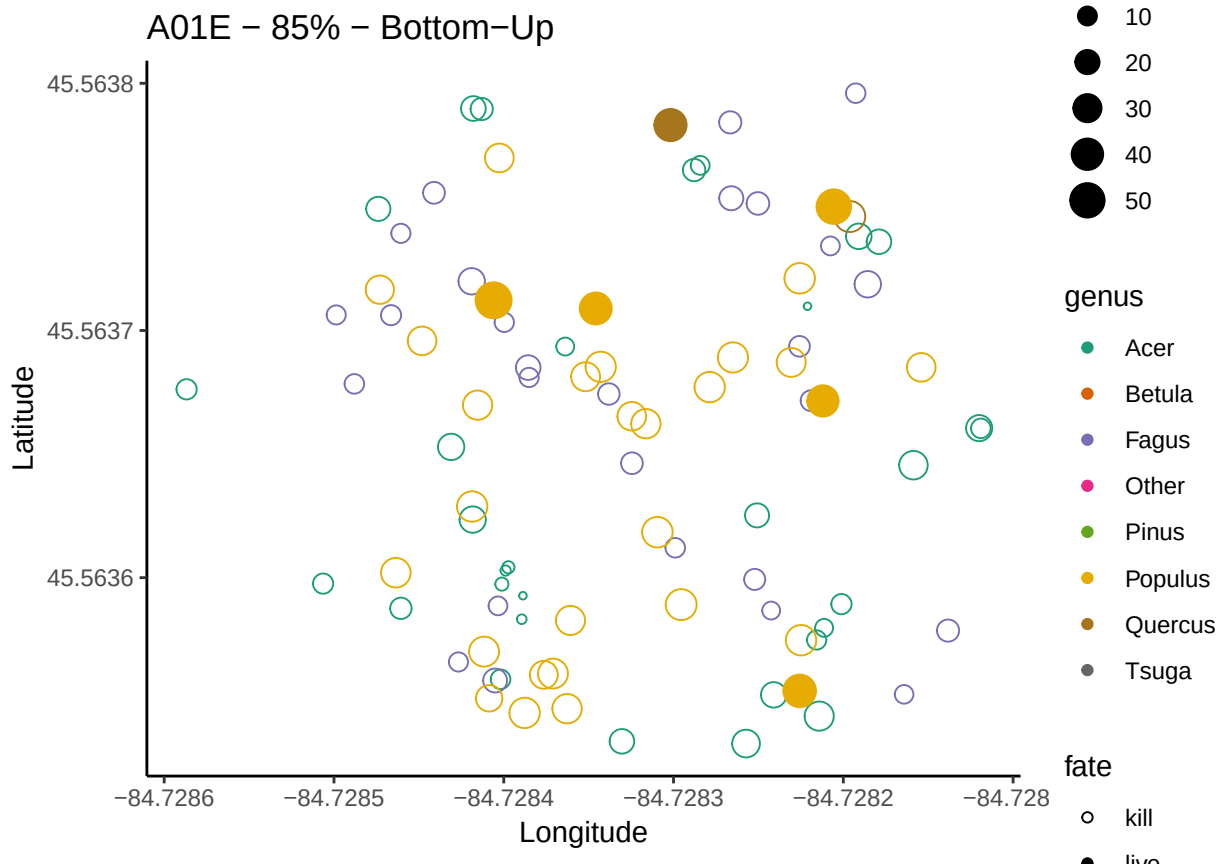
Disturbance Stem Maps

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

A01

```
## A01E, 85%, Bottom-Up
```

```
##
## kill live
##   84    6
```




```
## Plot LAI
```

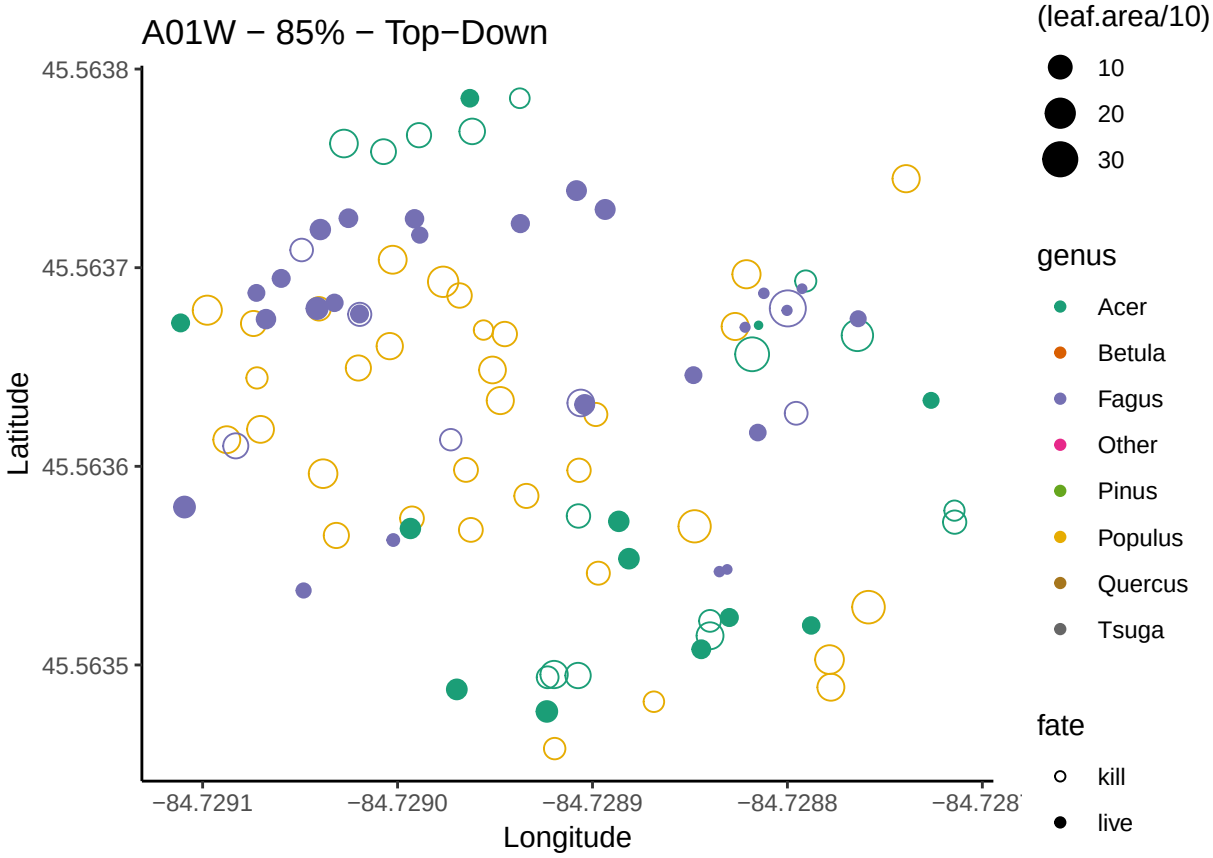
```
## [1] 8.960715
```

```
## LAI of all trees to Kill
```

```
## [1] 7.446576
```

```
## Ratio of Kill to Live LAI - Targetting 85% Disturbance threshold
```

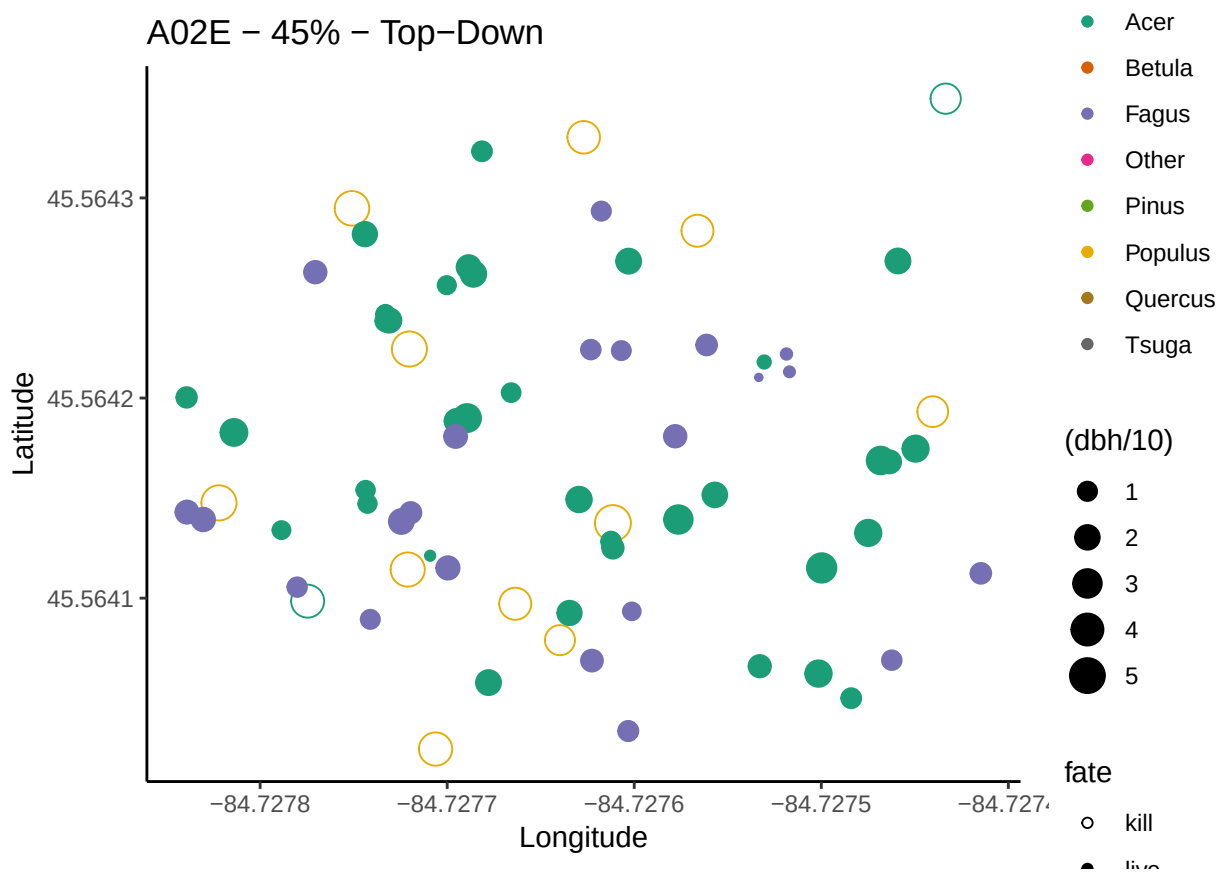
```
## [1] 0.8310247
## A01W, 85%, Top-Down
##
## kill live
##   56   39
```



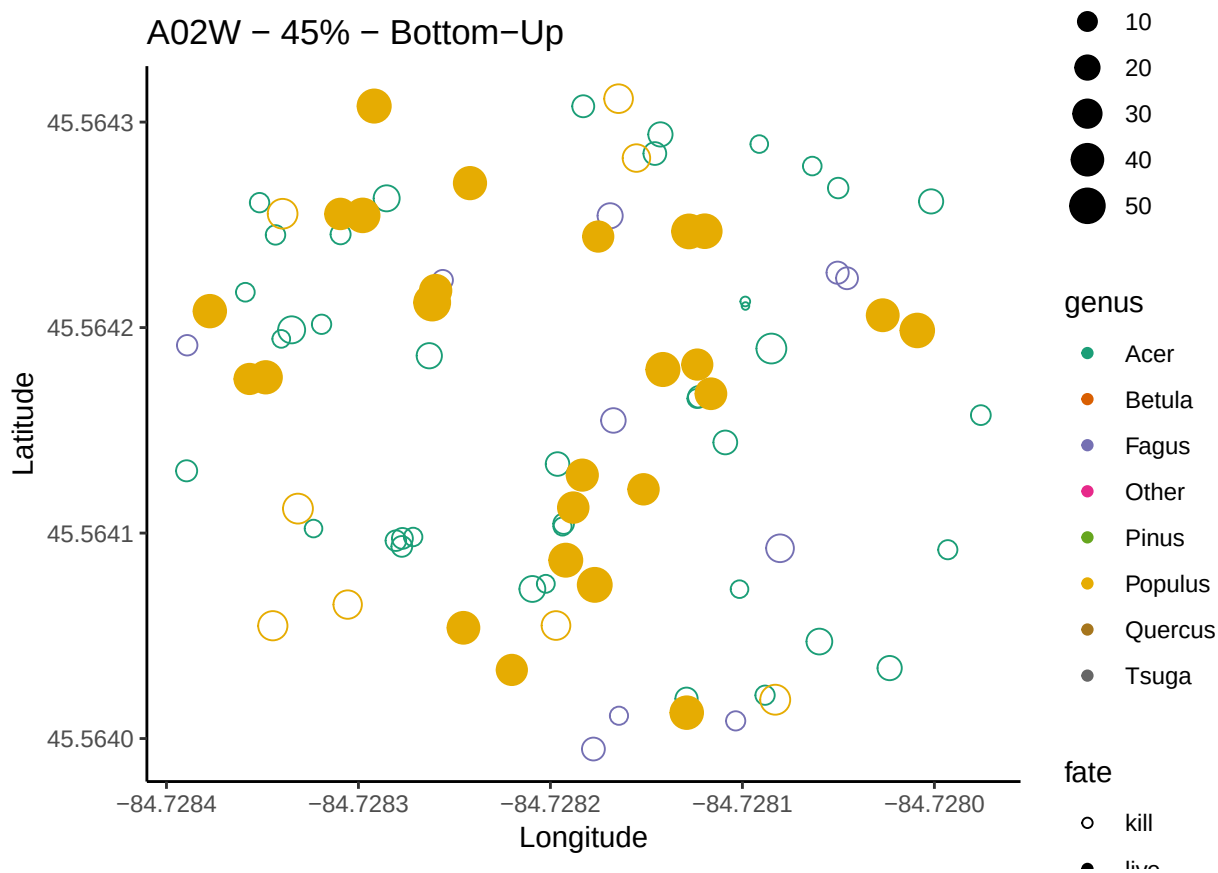

```
## Plot LAI A01W
## [1] 9.244909
## LAI of all trees to Kill
## [1] 7.848249
## Ratio of Kill to Live LAI - Targeting 85% Disturbance threshold
## [1] 0.8489266
```

A02

```
## A02E, 45%, top-down
##
## kill live
##   13   57
```



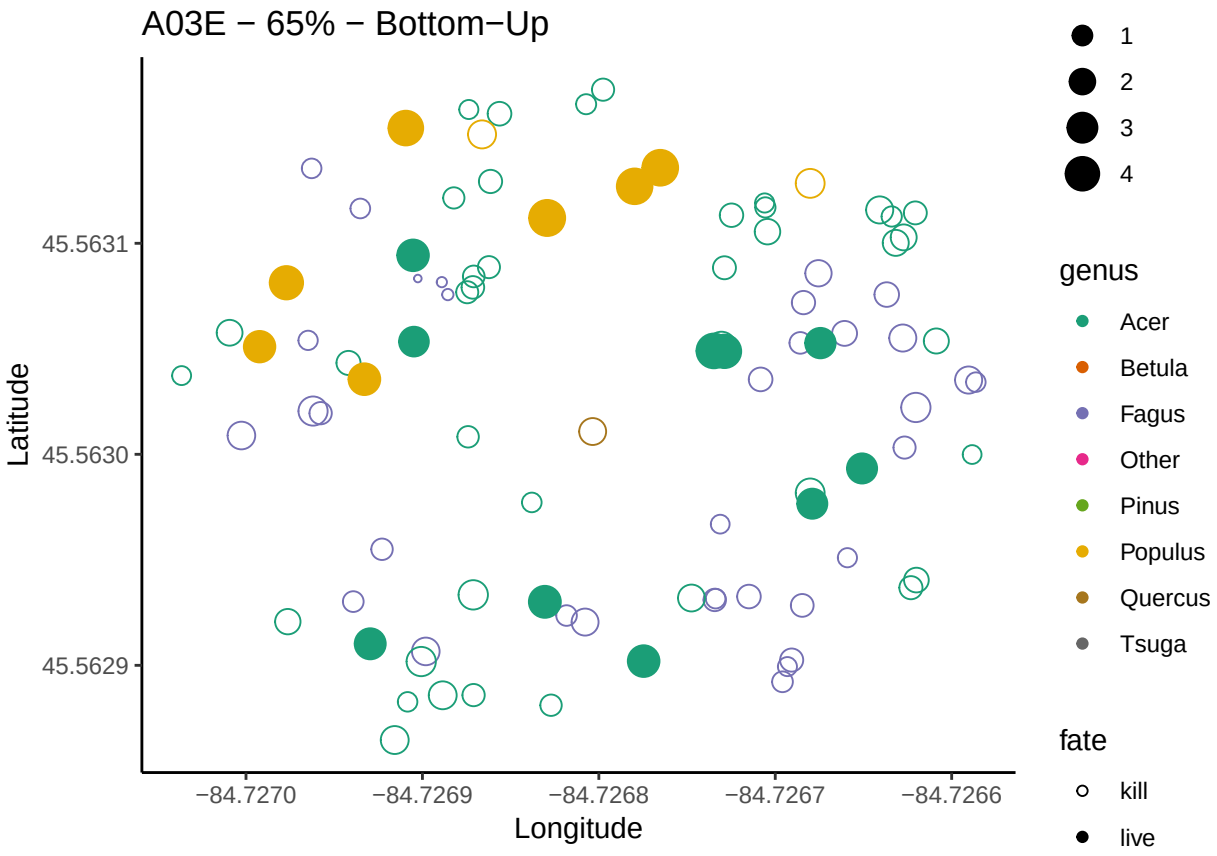

```
## Plot LAI A02E
## [1] 7.447738
## LAI of all trees to Kill
## [1] 3.204551
## Ratio of Kill to Live LAI - Targeting 45% Disturbance threshold
## [1] 0.4302717
## A02W, 45%, Bottom-Down
##
## kill live
##   59   25
```



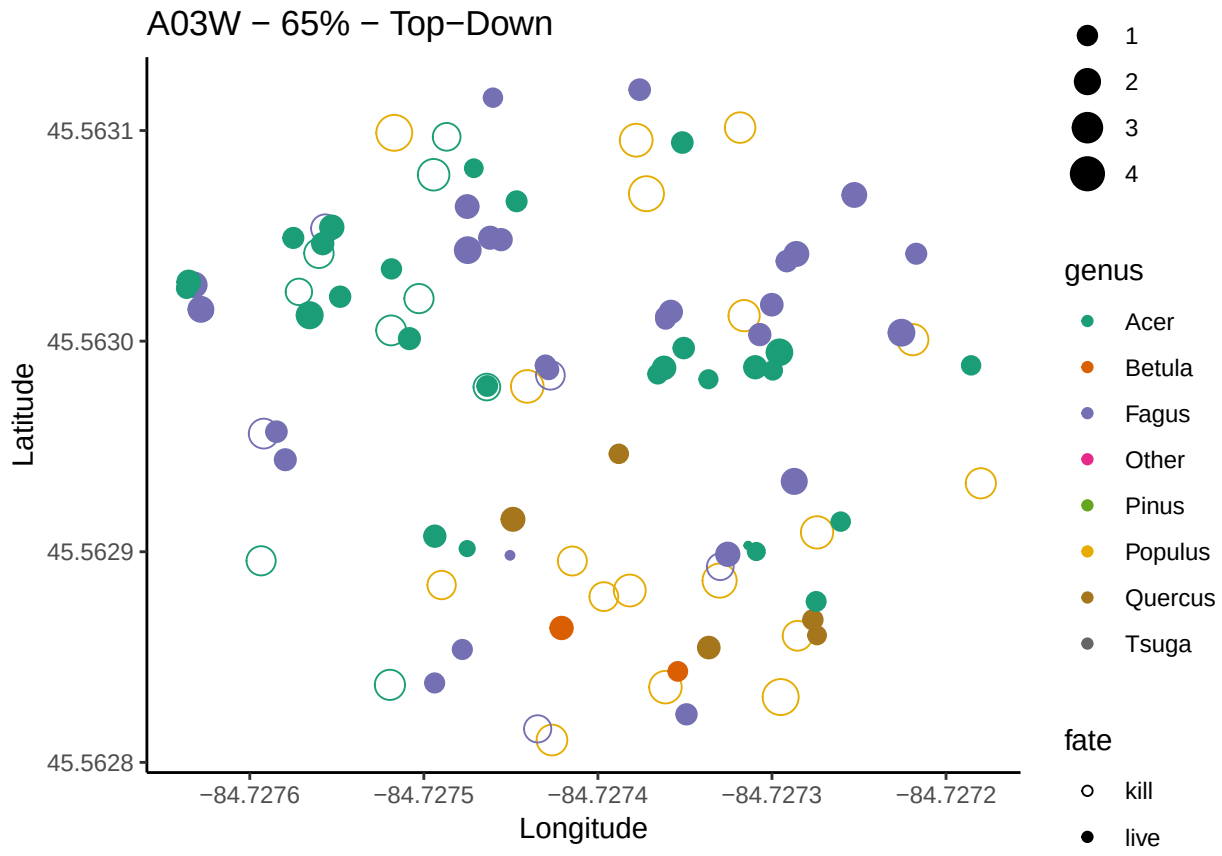

```
## Plot LAI A02W
## [1] 9.63021
## LAI of all trees to Kill
## [1] 4.325314
## Ratio of Kill to Live LAI - Targeting 45% Disturbance threshold
## [1] 0.4491402
```

A03

```
## A03E, 65%, Bottom-Down
##
## kill live
##   77   17
```



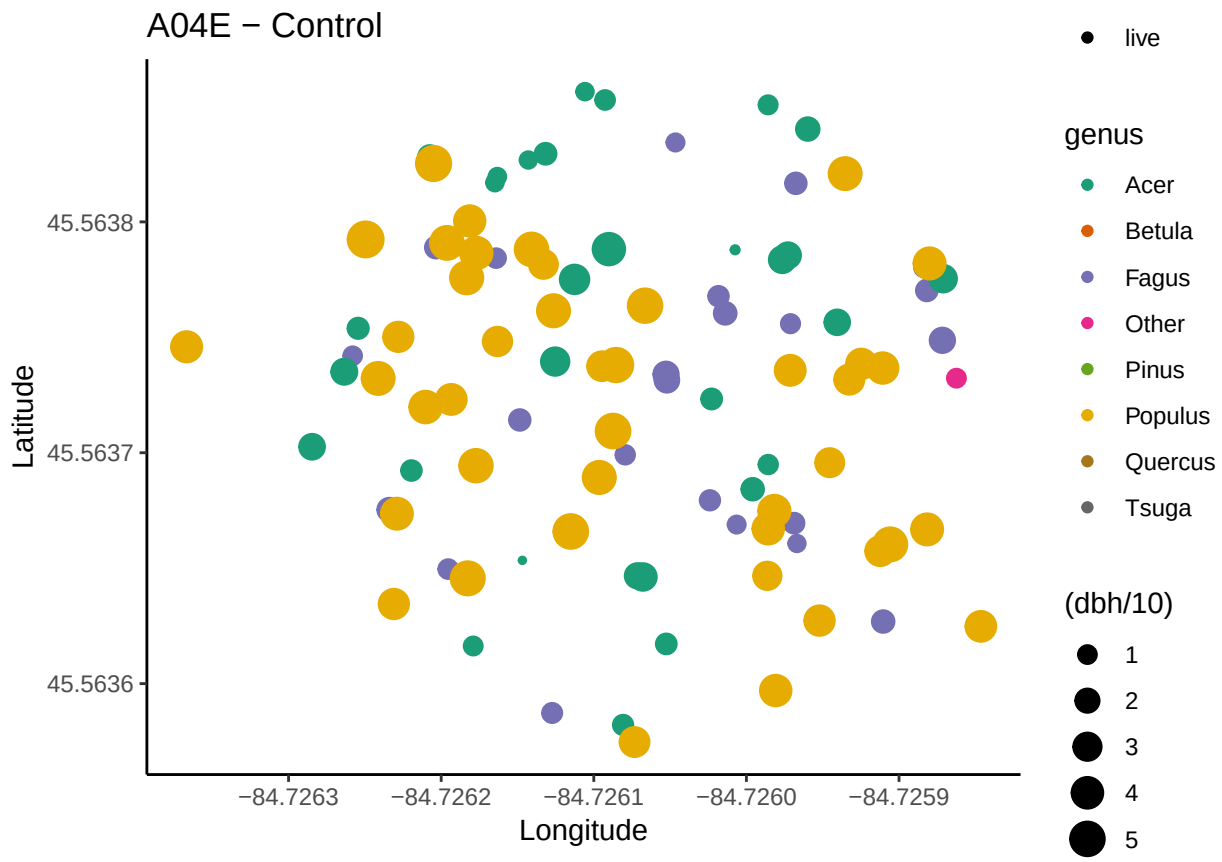

```
## Plot LAI
## [1] 8.906786
## LAI of all trees to Kill
## [1] 5.604423
## Ratio of Kill to Live LAI - Targetting 65% Disturbance threshold
## [1] 0.6292307
## A03W, 65%, top-down
##
## kill live
##   32   63
```




```
## Plot LAI
## [1] 8.390616
## LAI of all trees to Kill
## [1] 5.444872
## Ratio of Kill to Live LAI - Targetting 65% Disturbance threshold
## [1] 0.648924
```

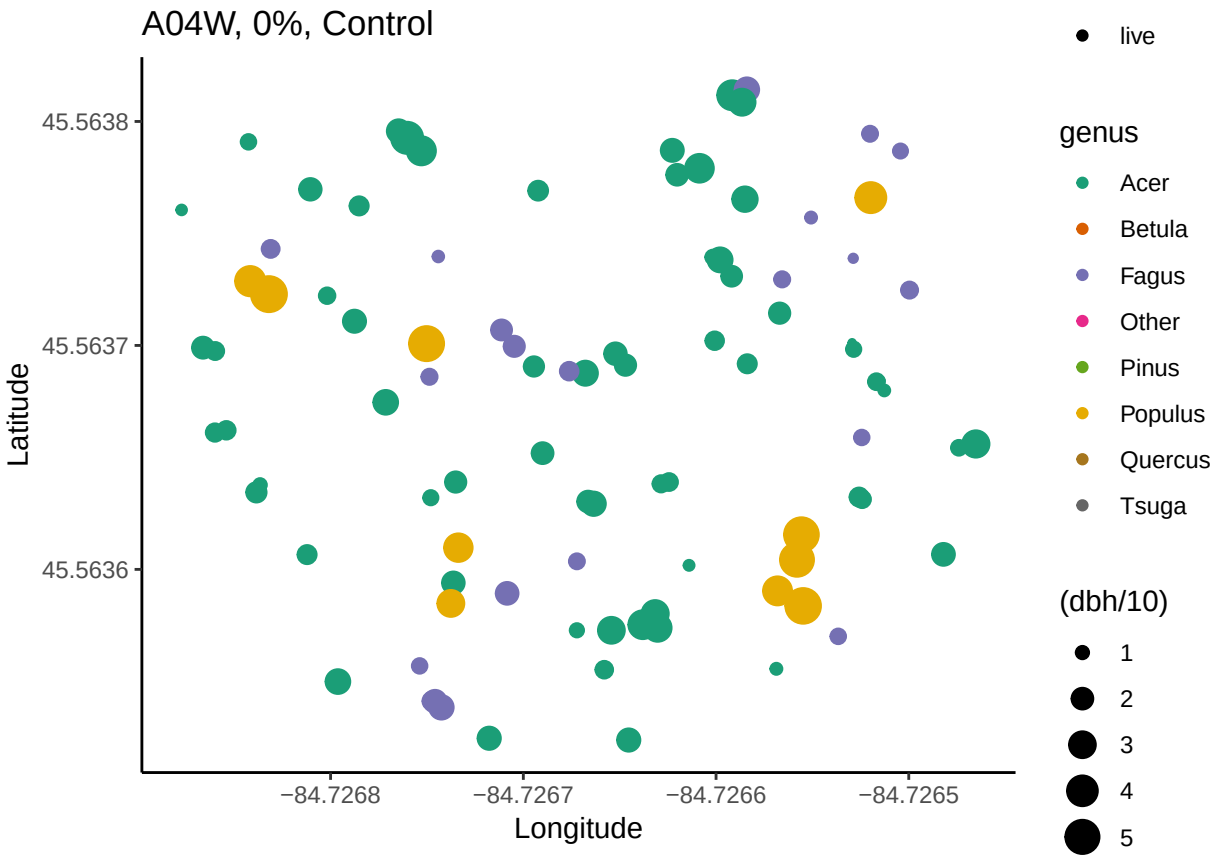
A04

```
## A04E, 0%, Control
##
## live
##   97
```

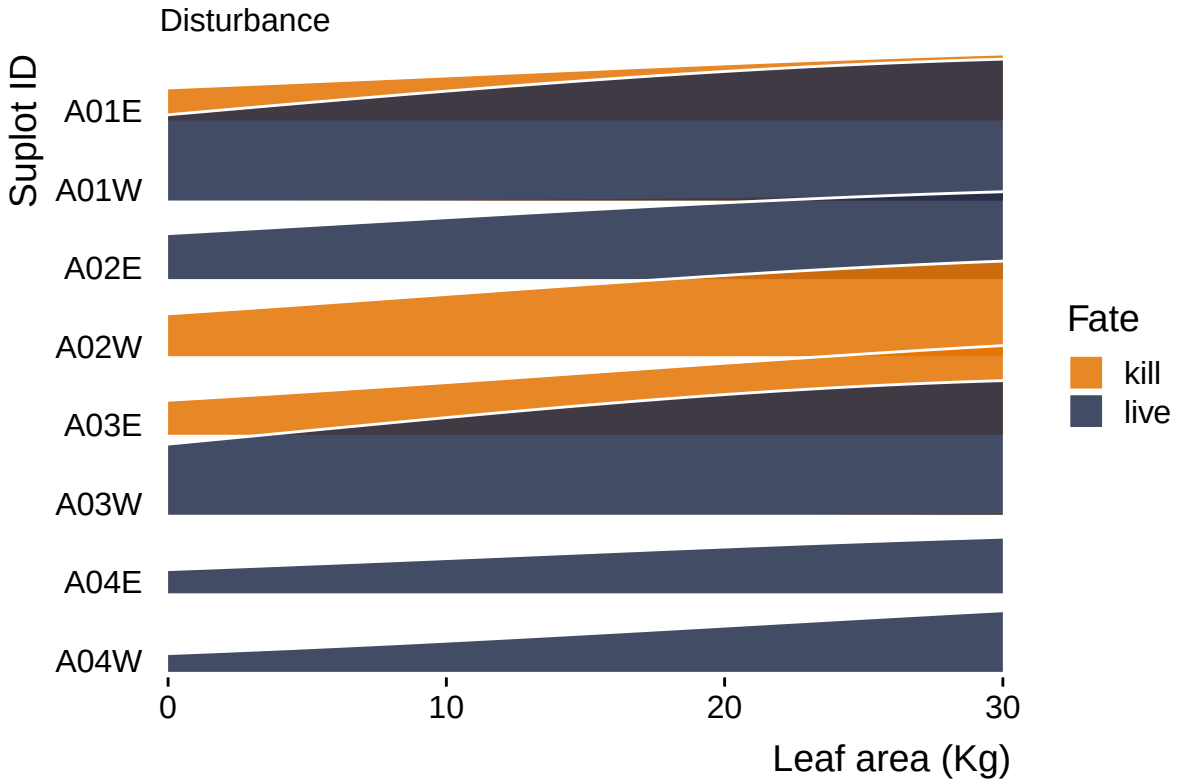



```
## A04W, 0%, Control

##
## live
##   95
```




```
## Picking joint bandwidth of 24.8
```

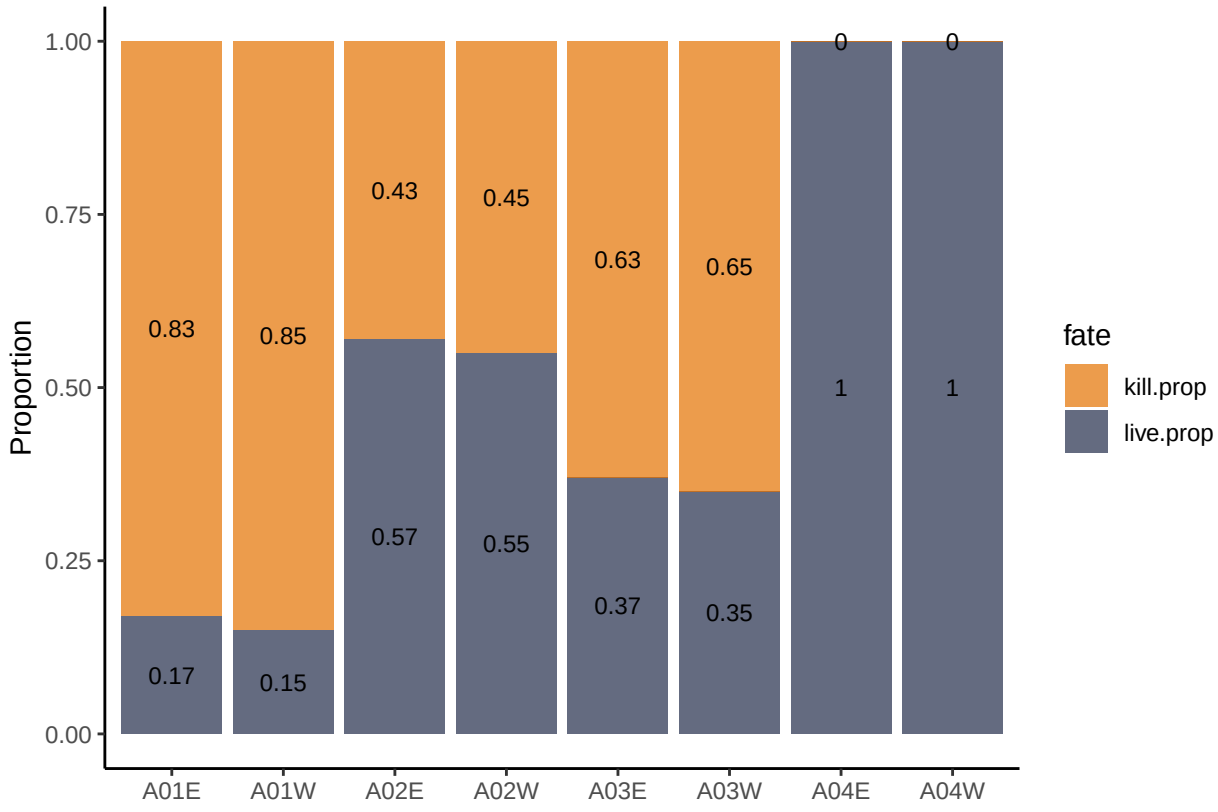



```
## Total mortality count

##
## kill live
##  321  398

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

## [1] 802.5
```


1.00
0.75
0.50
0.25
0.00
Proportion
0.83
0.85
0.43
0.45
0.63
0.65
0
0
0.17
0.15
0.57
0.55
0.37
0.35
1
1
A01E
A01W
A02E
A02W
A03E
A03W
A04E
A04W
fate
kill.prop
live.prop