

Disturbance Stem Maps

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Disturbance Stem Maps

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

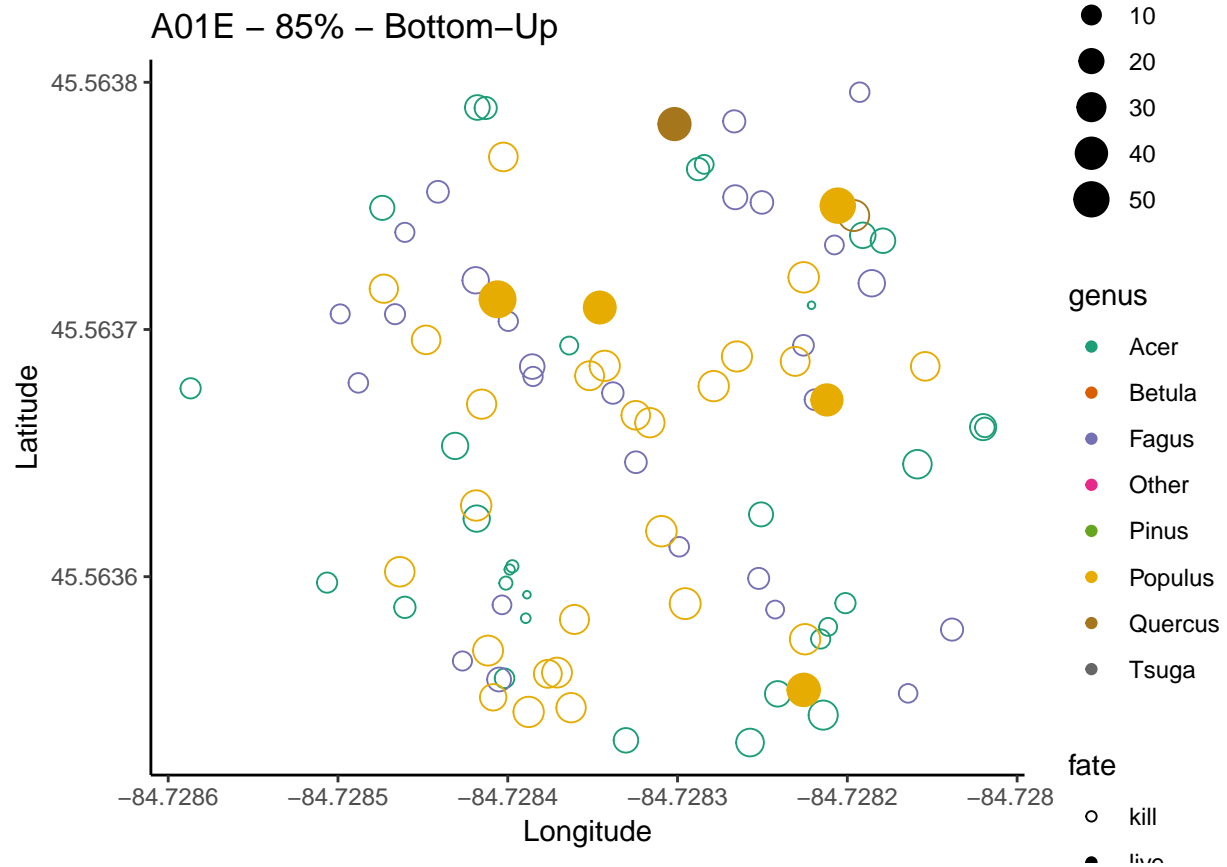
A01

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

```
##
```

```
## kill live
```

```
## 84 6
```



```
## Plot LAI
```

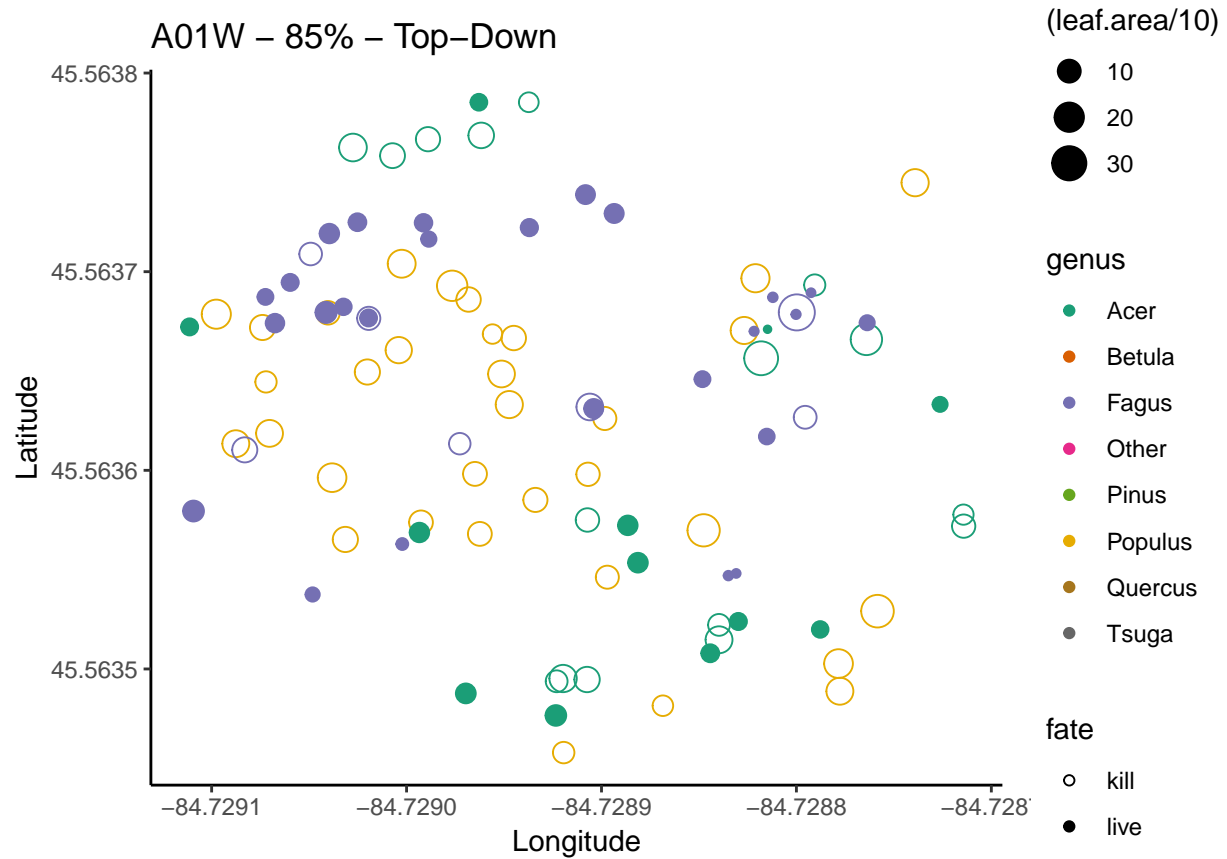
```
## [1] 8.960715
```

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

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

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

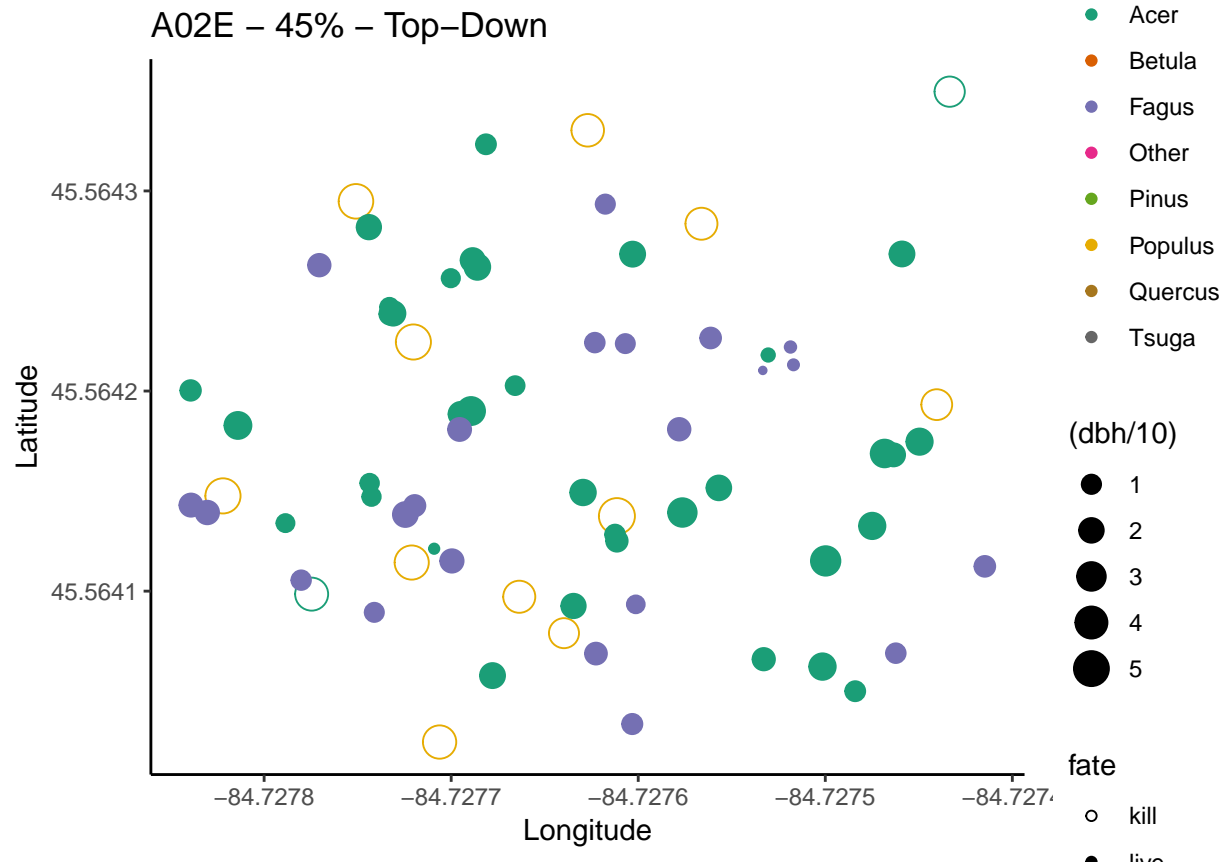
```
## [1] 0.8310247
## A01W, 85%, Top-Down
##
## kill live
## 56 39
```



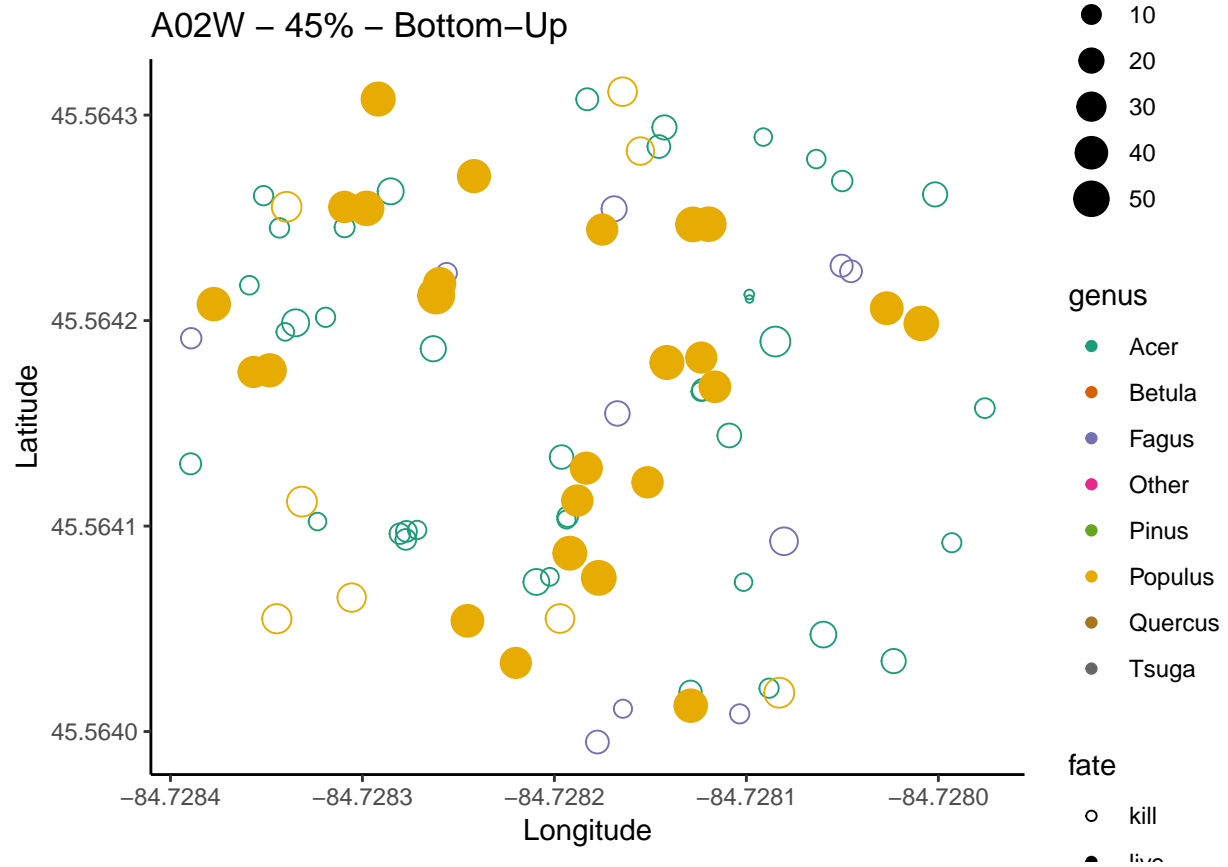
```
## Plot LAI A01W
## [1] 9.244909
## LAI of all trees to Kill
## [1] 7.848249
## Ratio of Kill to Live LAI - Targeting 85% Disturbance threshold
## [1] 0.8489266
```

A02

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



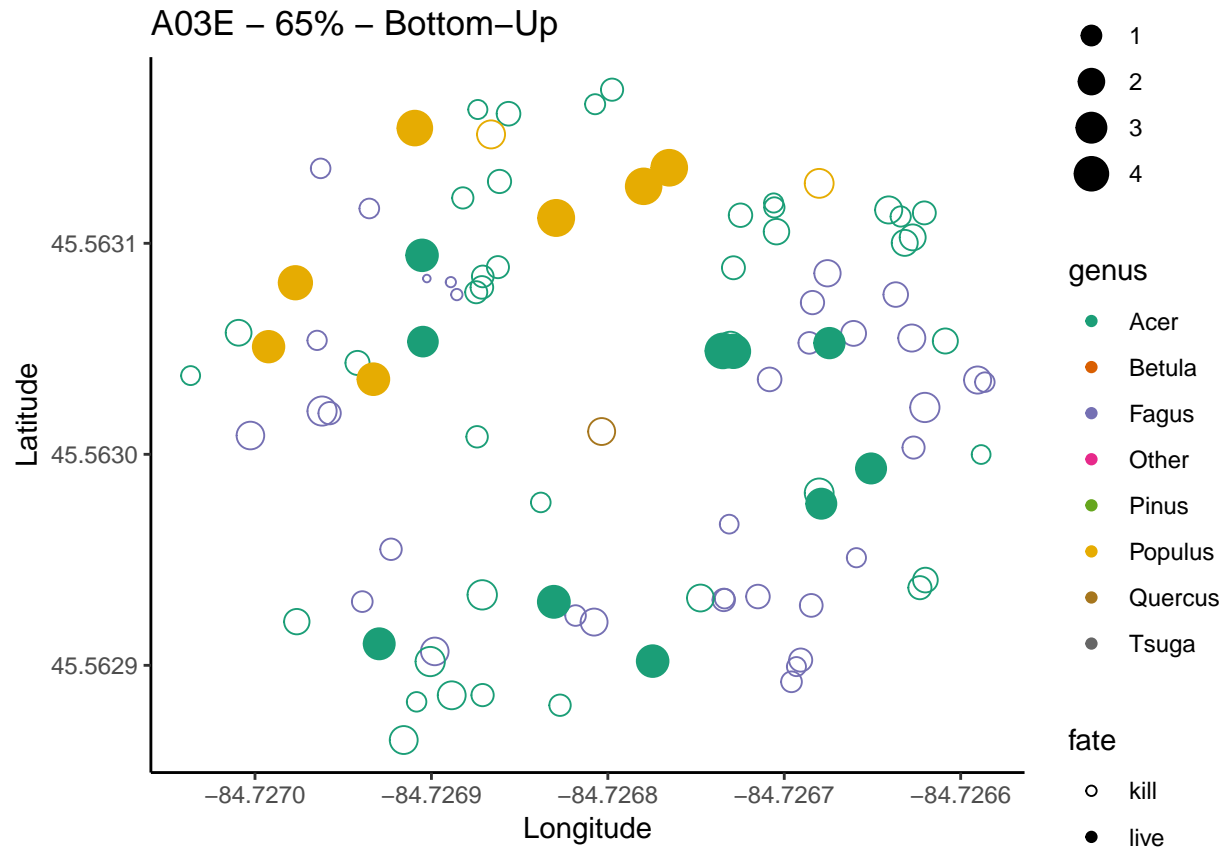
```
## Plot LAI A02E
## [1] 7.447738
## LAI of all trees to Kill
## [1] 3.204551
## Ratio of Kill to Live LAI - Targeting 45% Disturbance threshold
## [1] 0.4302717
## A02W, 45%, Bottom-Down
##
## kill live
## 59 25
```



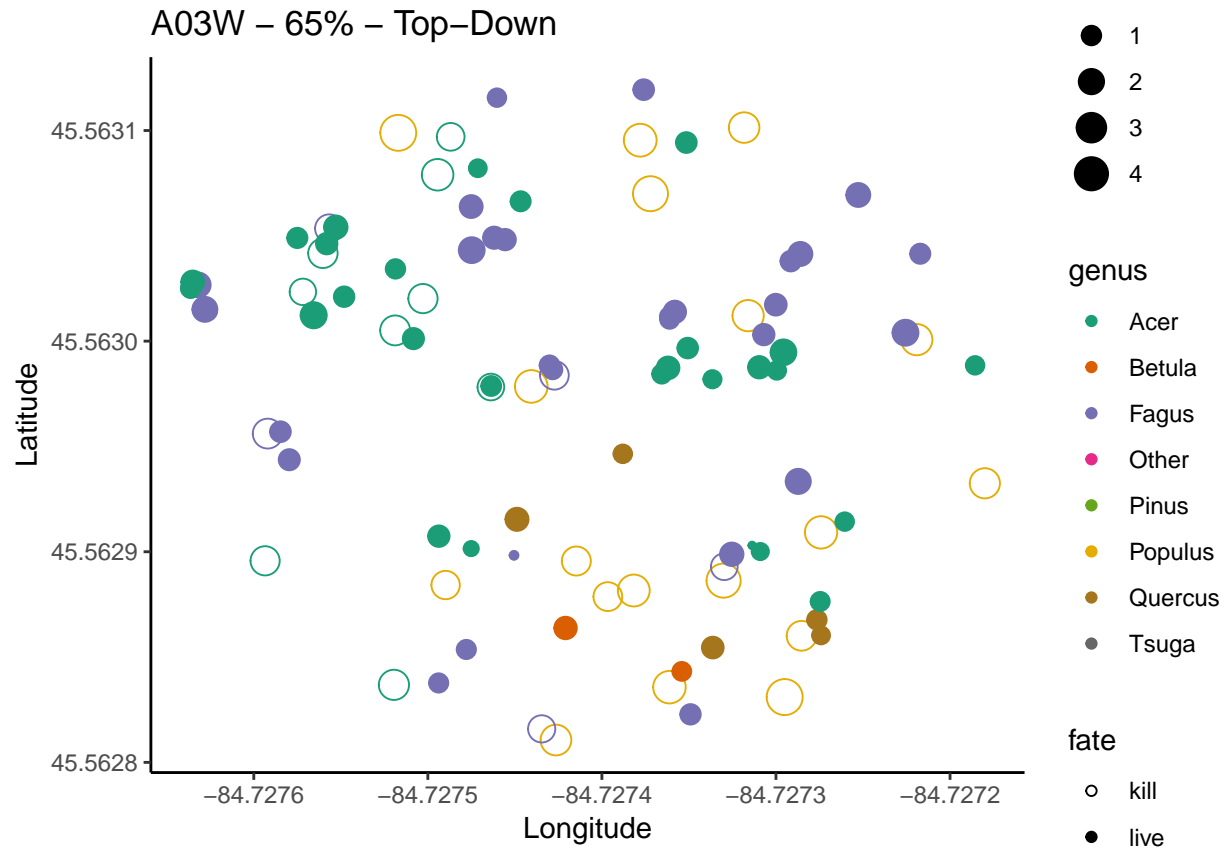
```
## Plot LAI A02W
## [1] 9.63021
## LAI of all trees to Kill
## [1] 4.325314
## Ratio of Kill to Live LAI - Targeting 45% Disturbance threshold
## [1] 0.4491402
```

A03

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



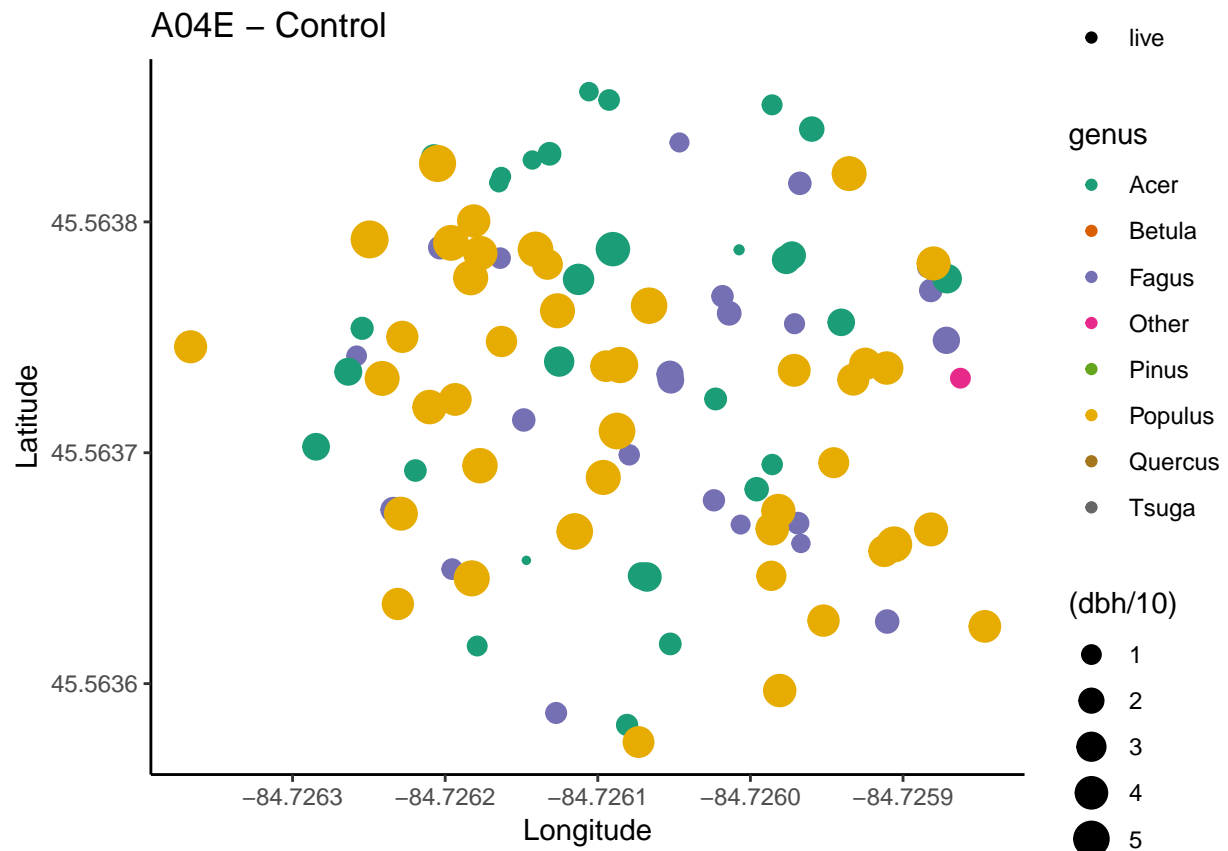
```
## Plot LAI
## [1] 8.906786
## LAI of all trees to Kill
## [1] 5.604423
## Ratio of Kill to Live LAI - Targetting 65% Disturbance threshold
## [1] 0.6292307
## A03W, 65%, top-down
##
## kill live
## 32 63
```



```
## 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
```

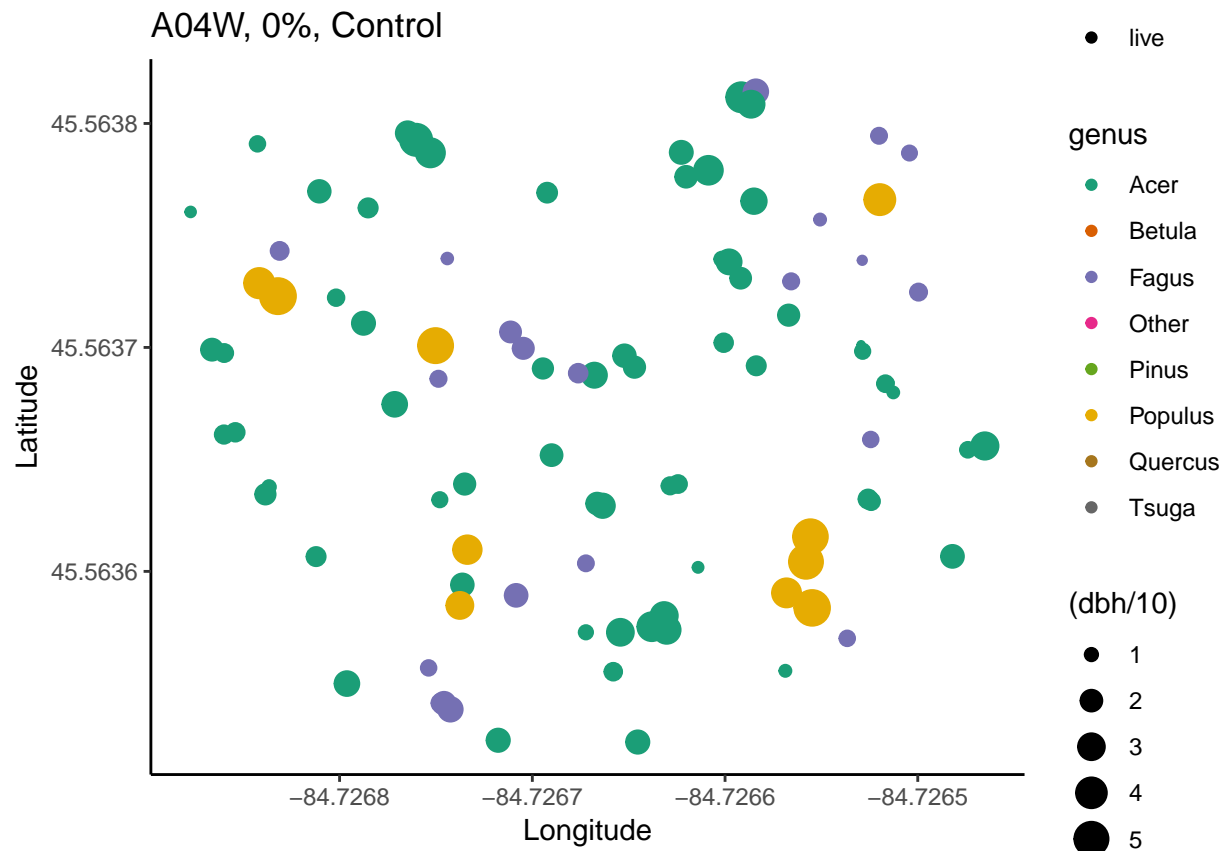


A04W, 0%, Control

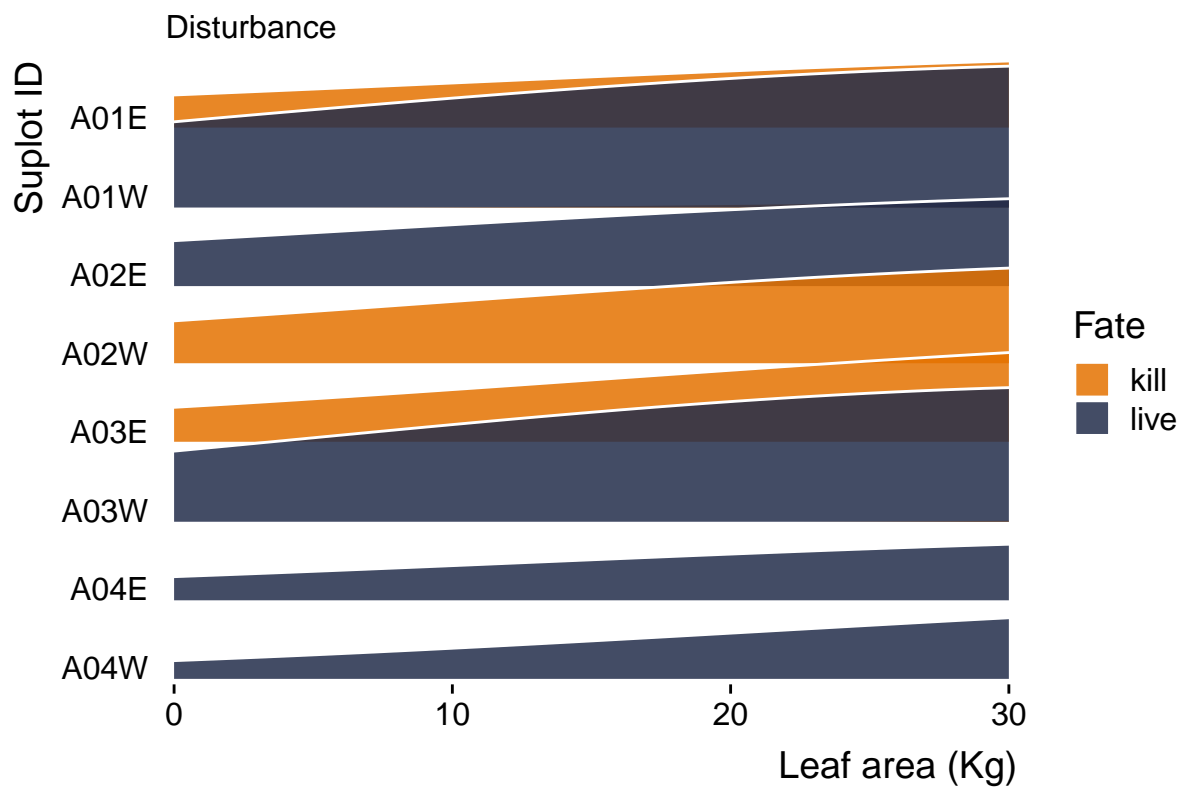
##

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
```

