

disturbance_stem_maps_group_b

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Disturbance Stem Maps

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

B01

```
## B01E, 0%, Control
```

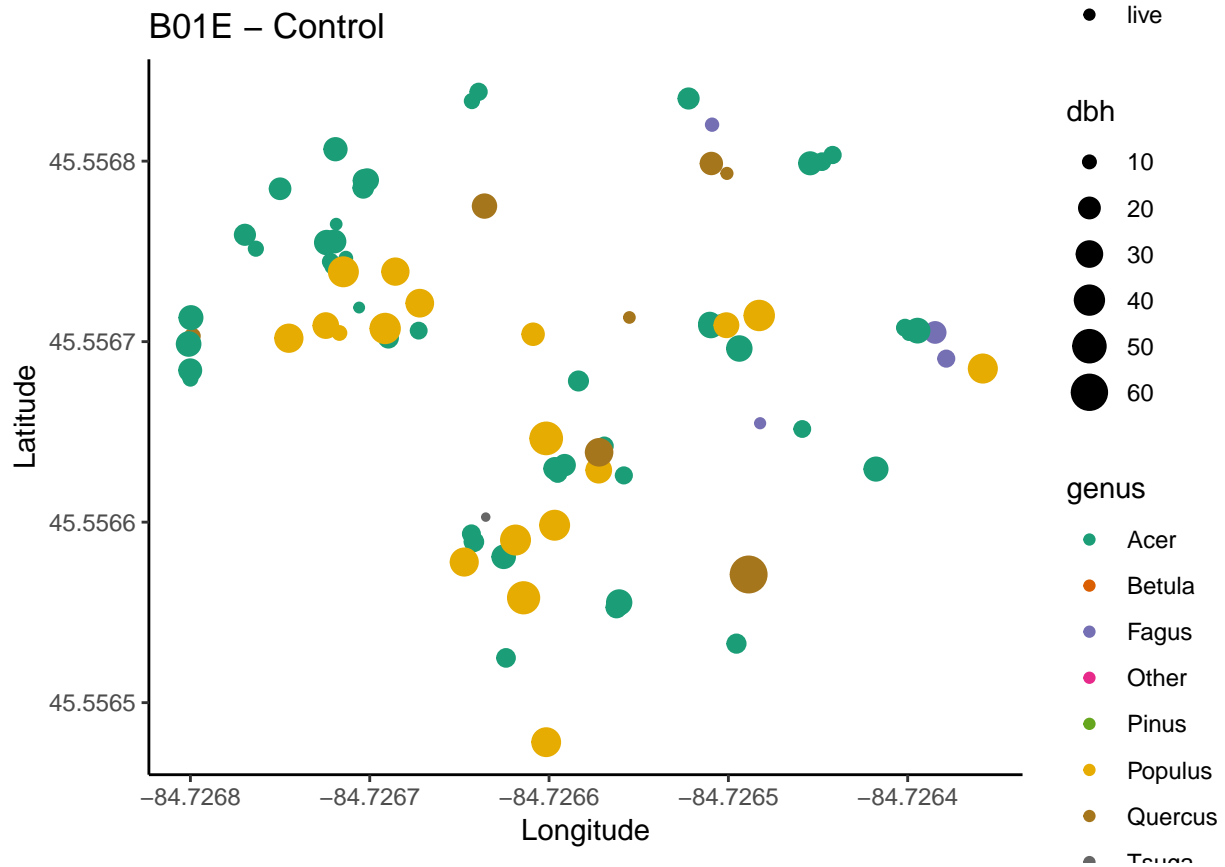
```
## Plot LAI
```

```
## [1] 6.29226
```

```
##
```

```
## live
```

```
## 80
```

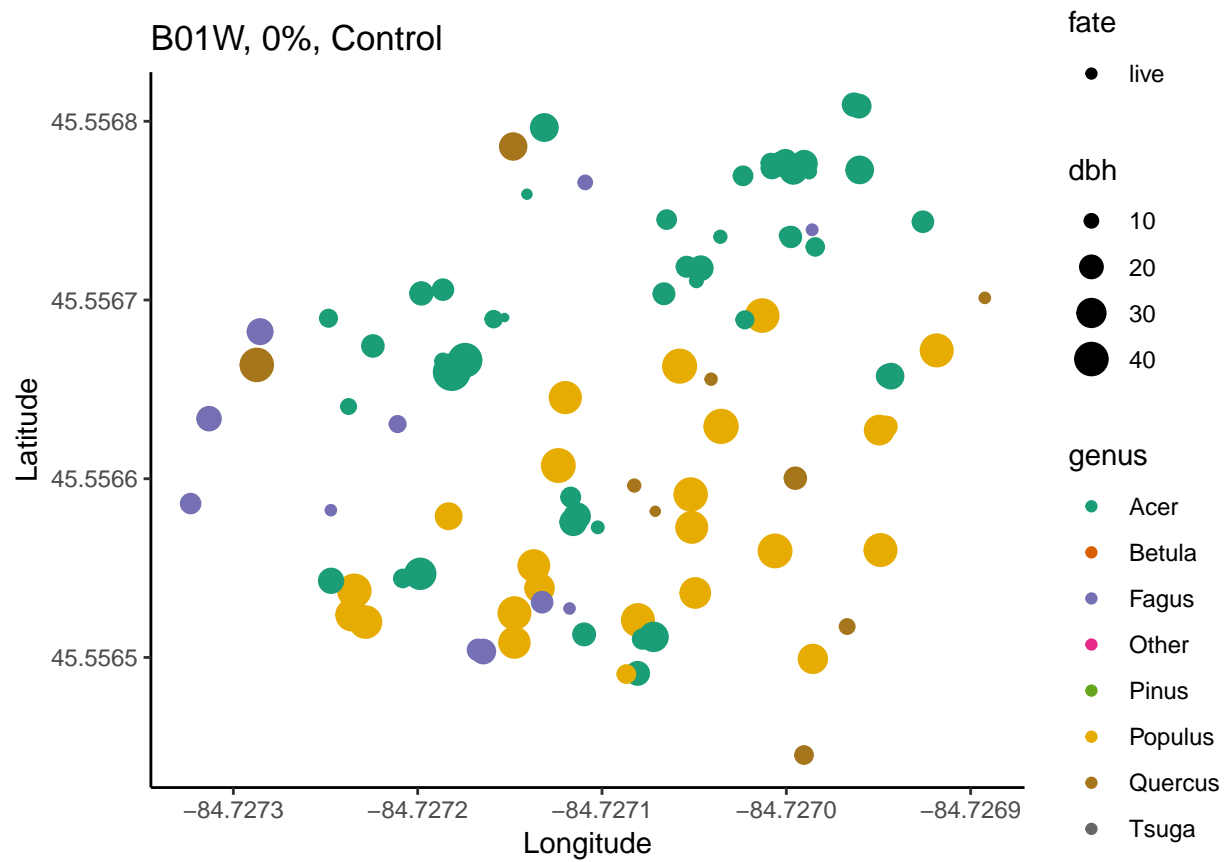


```
## B01W, 0%, Control
```

```
##
```

```
## live
```

```
## 91
```



```
## Plot LAI
```

```
## [1] 6.29226
```

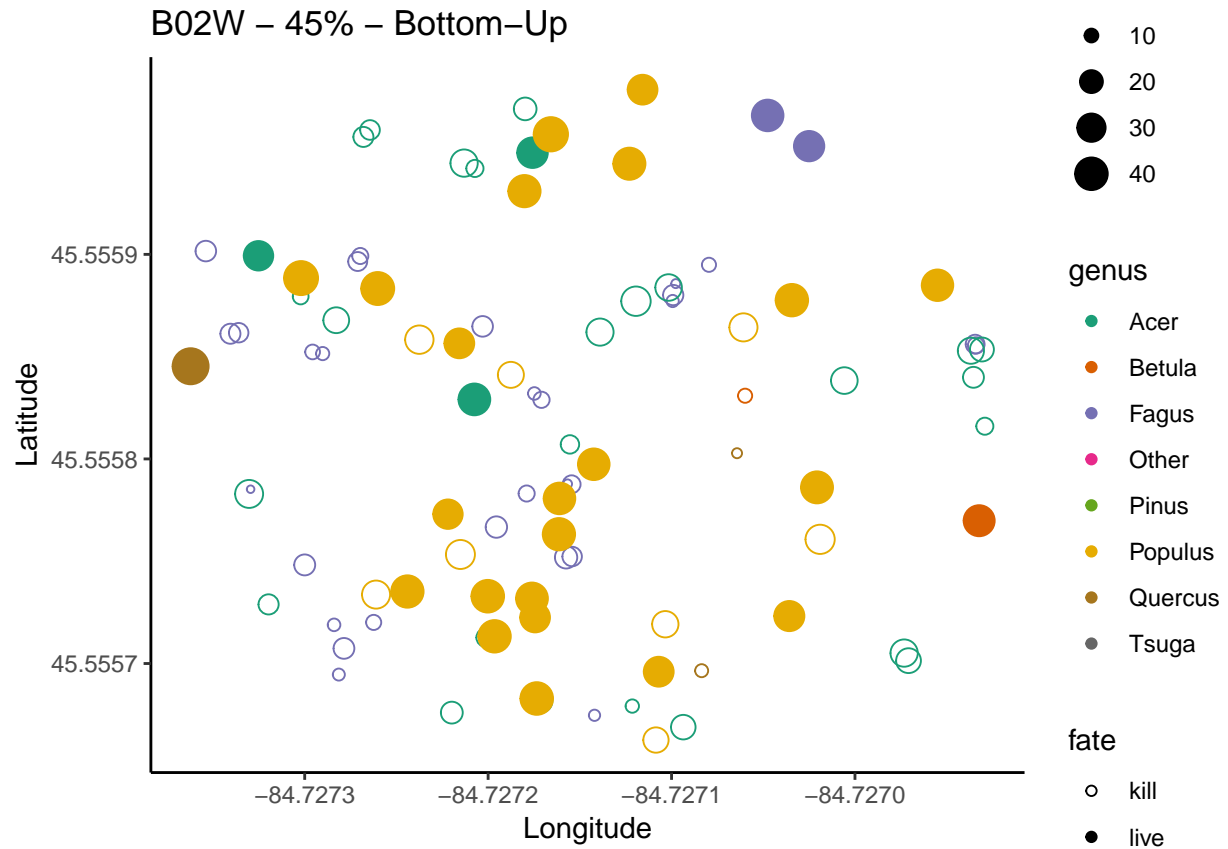
B02

```
## B02W, 45%, bottom-down
```

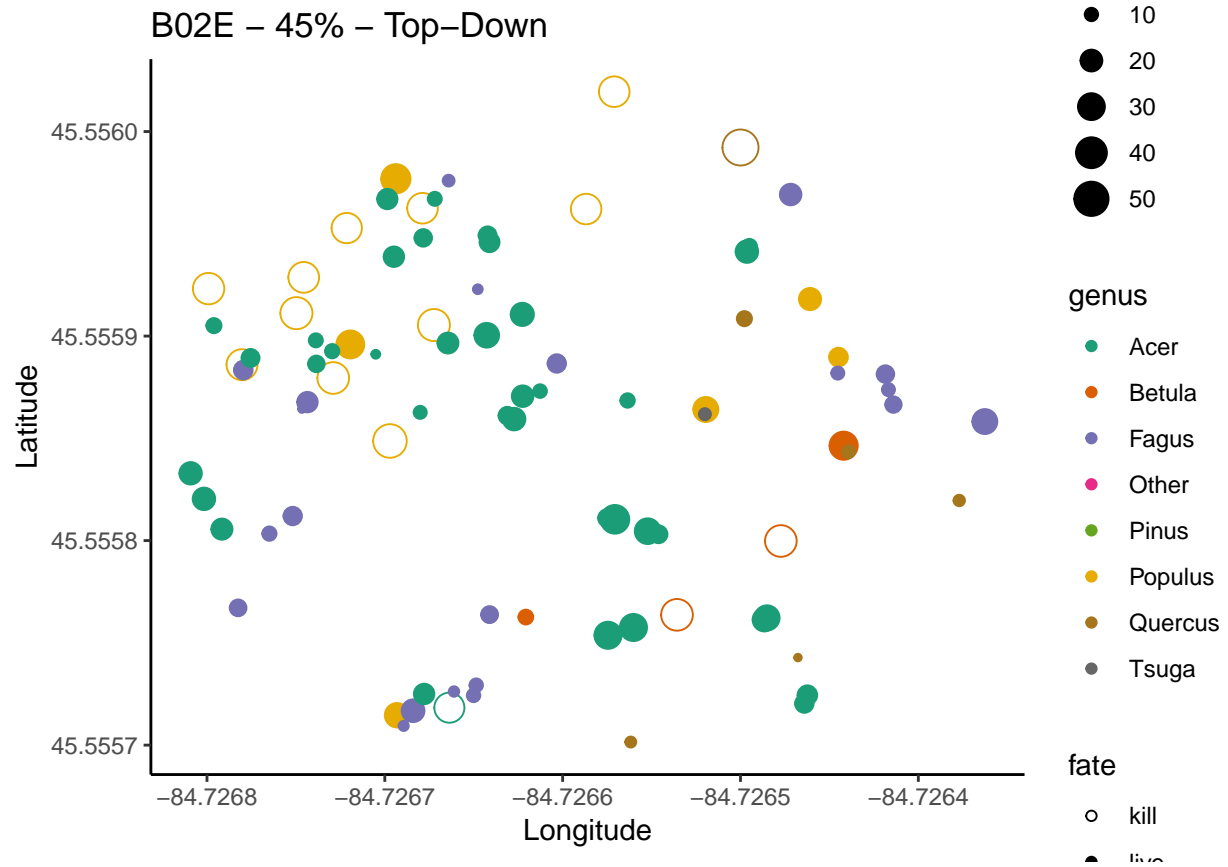
```
##
```

```
## kill live
```

```
## 66 29
```



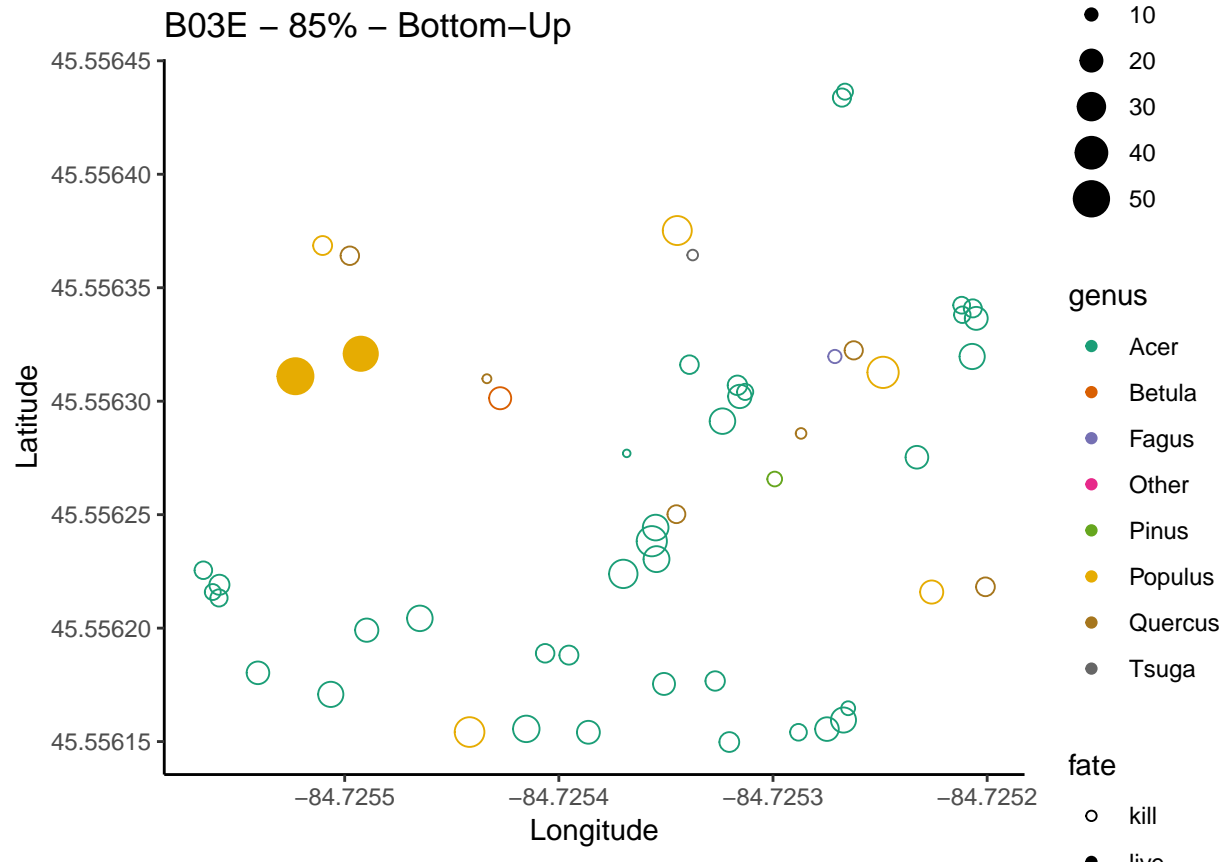
```
## Plot LAI
## [1] 9.596137
## LAI of all trees to Kill
## [1] 4.304968
## Ratio of Kill to Live LAI - Targetting 65% Disturbance threshold
## [1] 0.4486147
## B02E, 45%, Top-Down
##
## kill live
## 15 72
```



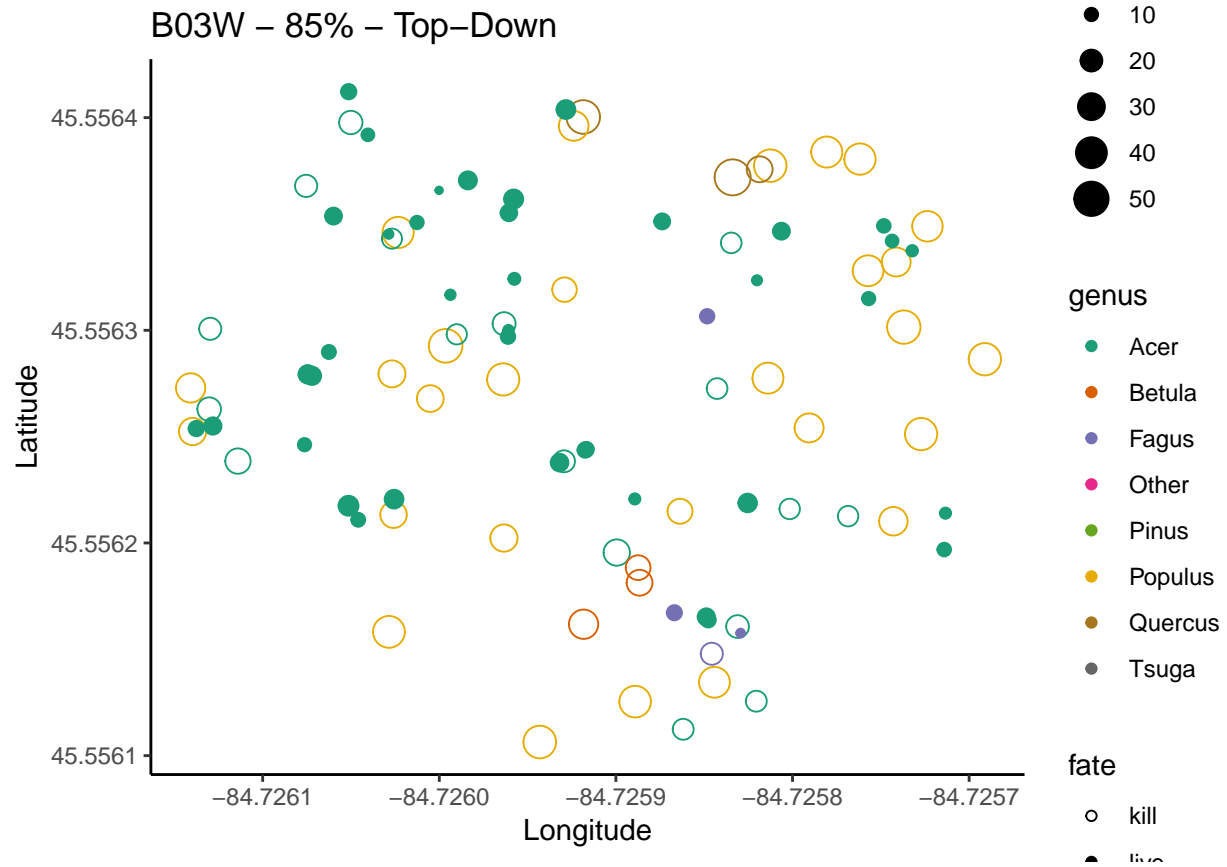
```
## Plot LAI B02E
## [1] 7.855669
## LAI of all trees to Kill
## [1] 3.477428
## Ratio of Kill to Live LAI - Targeting 45% Disturbance threshold
## [1] 0.4426648
```

B03

```
## B03E, 85%, Bottom-Up
##
## kill live
## 52 2
```



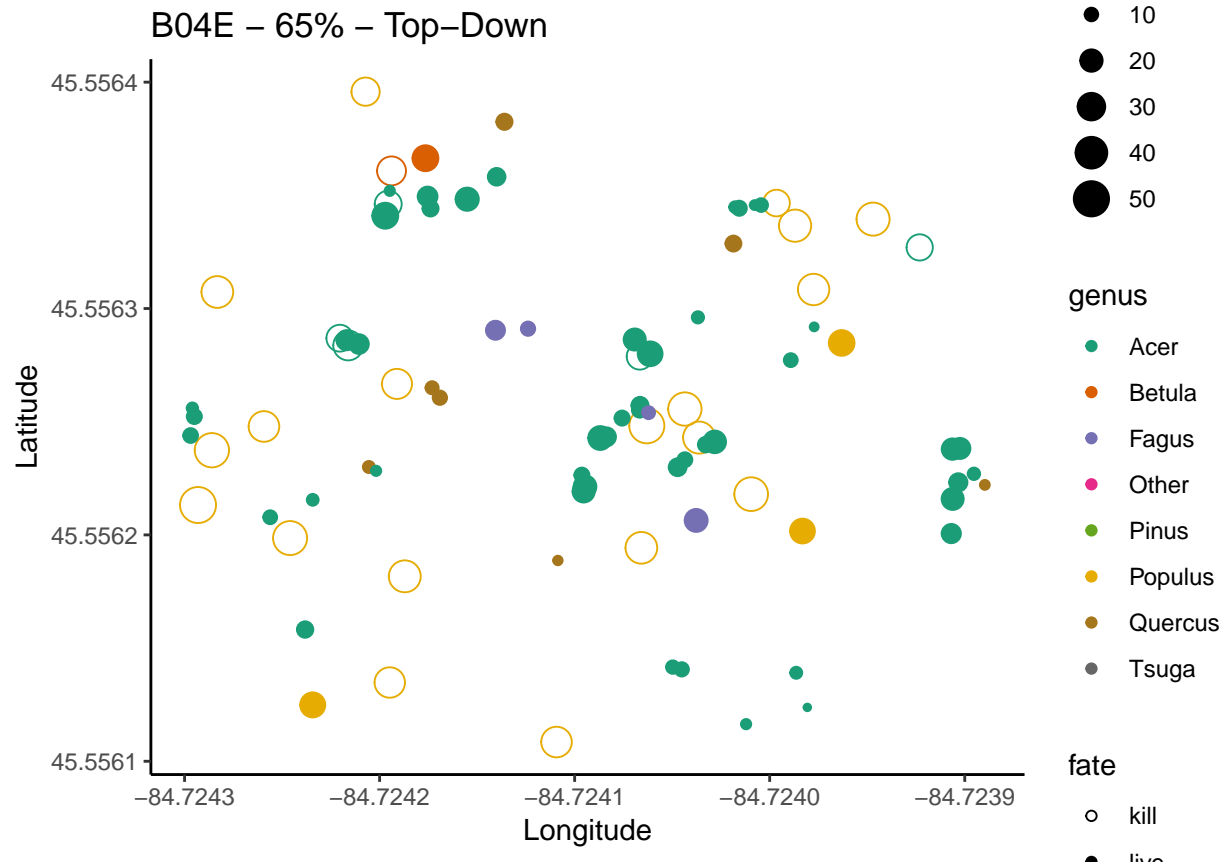
```
## Plot LAI B02W
## [1] 4.032581
## LAI of all trees to Kill
## [1] 3.426363
## Ratio of Kill to Live LAI - Targeting 85% Disturbance threshold
## [1] 0.8496701
## B03W, 85%, Top-Down
##
## kill live
##    53   42
```



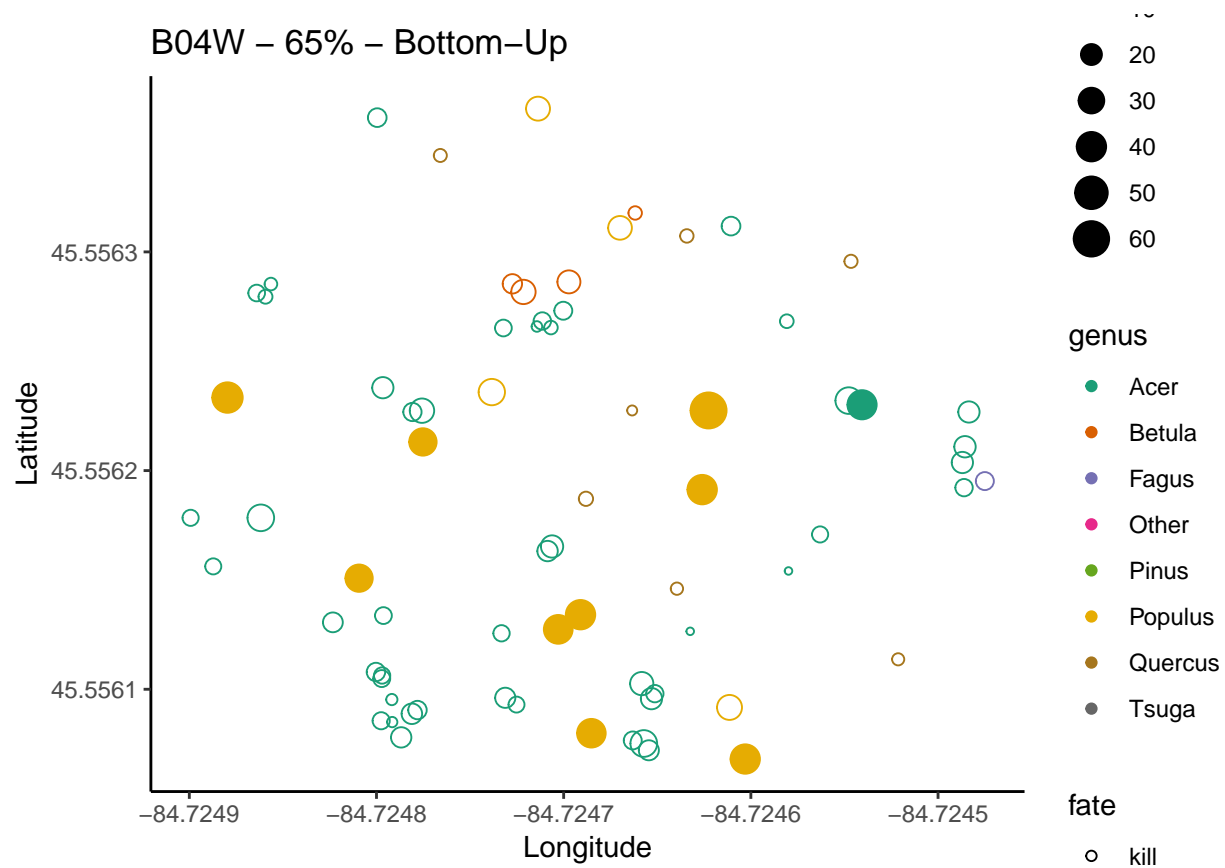
```
## Plot LAI B03W
## [1] 8.734247
## LAI of all trees to Kill
## [1] 7.399969
## Ratio of Kill to Live LAI - Targeting 85% Disturbance threshold
## [1] 0.8472361
```

B04

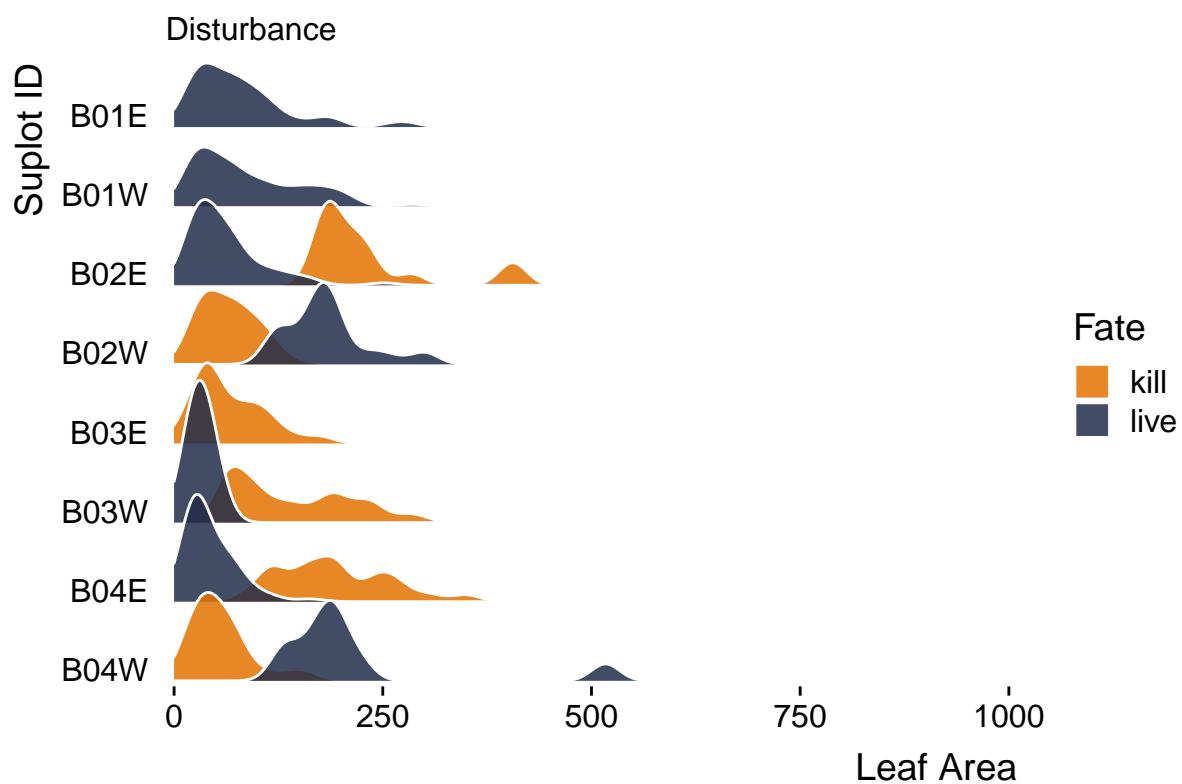
```
## B04E, 65%, top-down
##
## kill live
## 25 62
```



```
## Plot LAI B04E
## [1] 7.455441
## LAI of all trees to Kill
## [1] 4.777989
## Ratio of Kill to Live LAI - Targeting 65% Disturbance threshold
## [1] 0.6408727
## B04W, 65%, Bottom-Down
##
## kill live
##    64   10
```



```
## Plot LAI B04W
## [1] 5.71048
## LAI of all trees to Kill
## [1] 3.602348
## Ratio of Kill to Live LAI - Targeting 65% Disturbance threshold
## [1] 0.6308311
## Picking joint bandwidth of 16.9
```

```
## Total mortality count
```

```
##
```

```
## kill live
```

```
## 275 388
```

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

```
## [1] 687.5
```

