

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
```

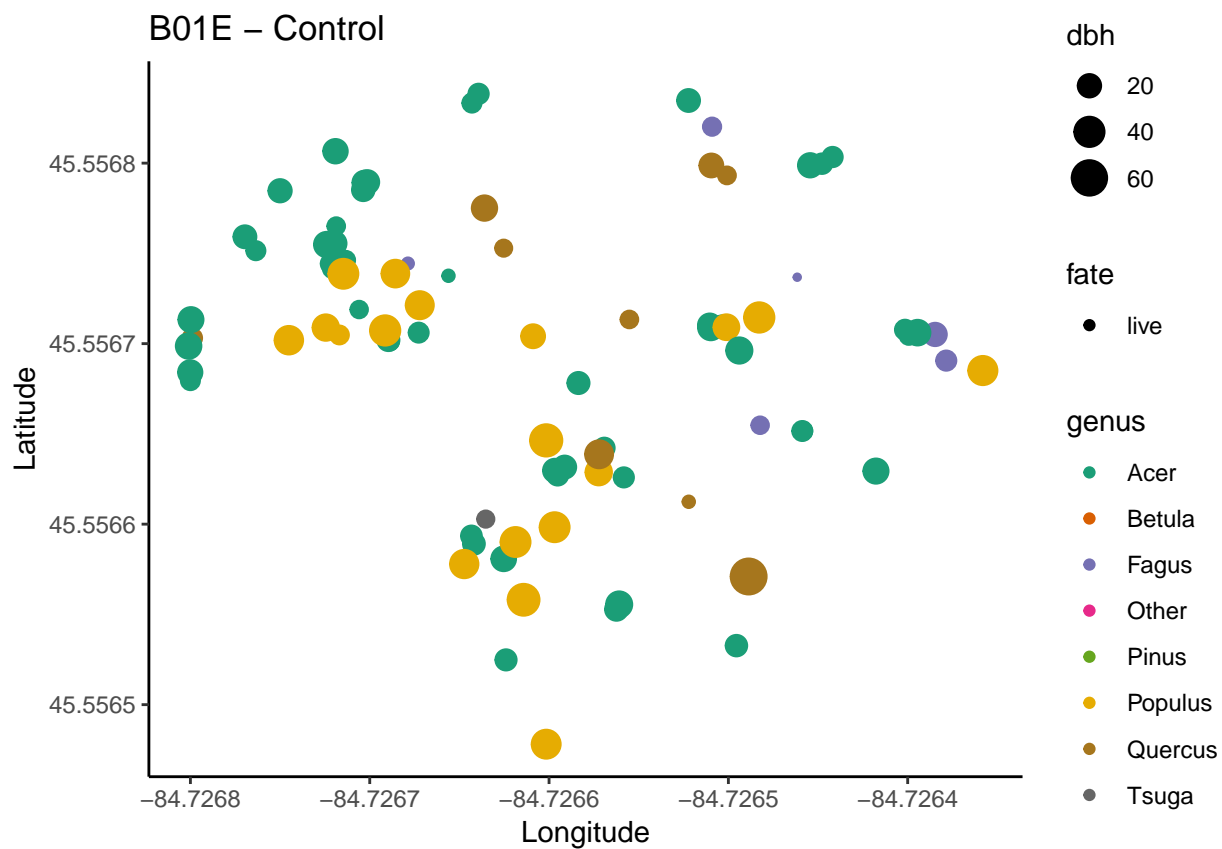
```
## Plot LAI
```

```
## [1] 6.330492
```

```
##
```

```
## live
```

```
## 86
```

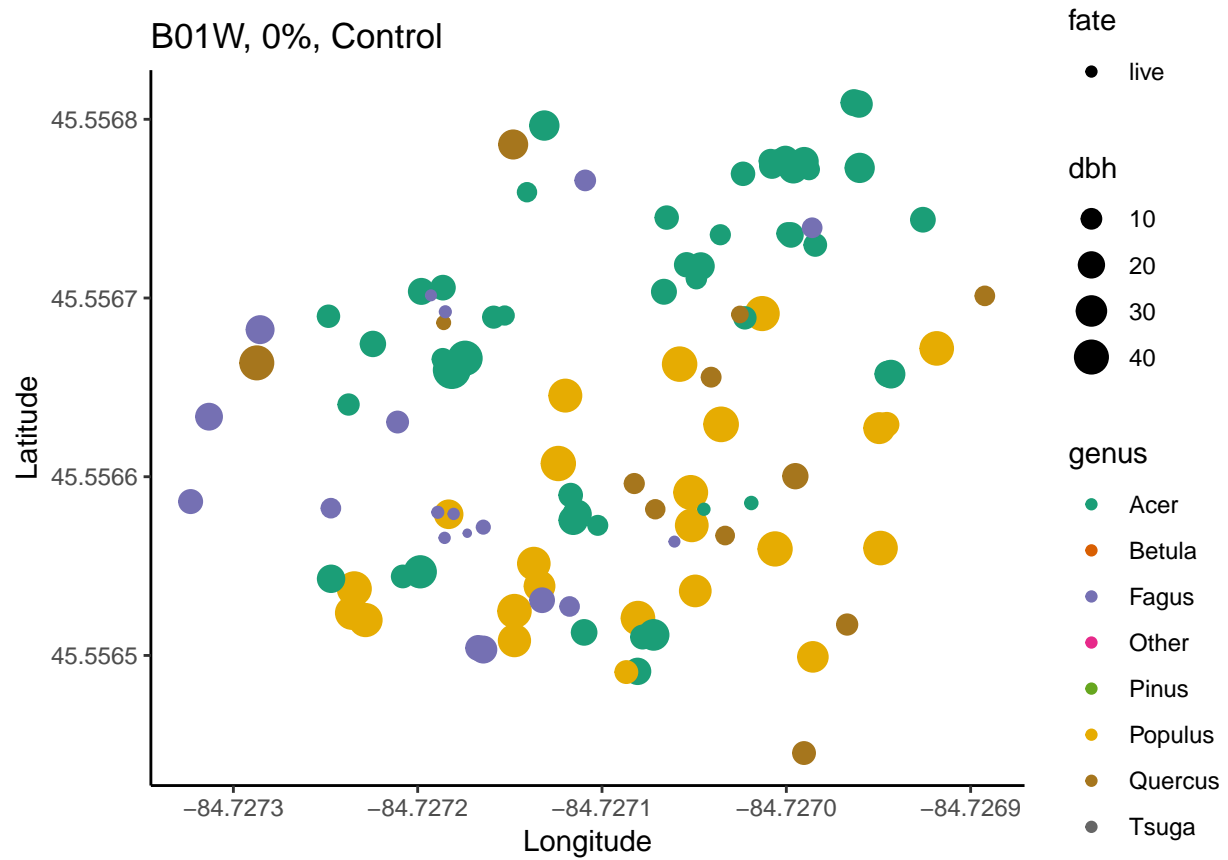


```
## B01W, 0%, Control
```

```
##
```

```
## live
```

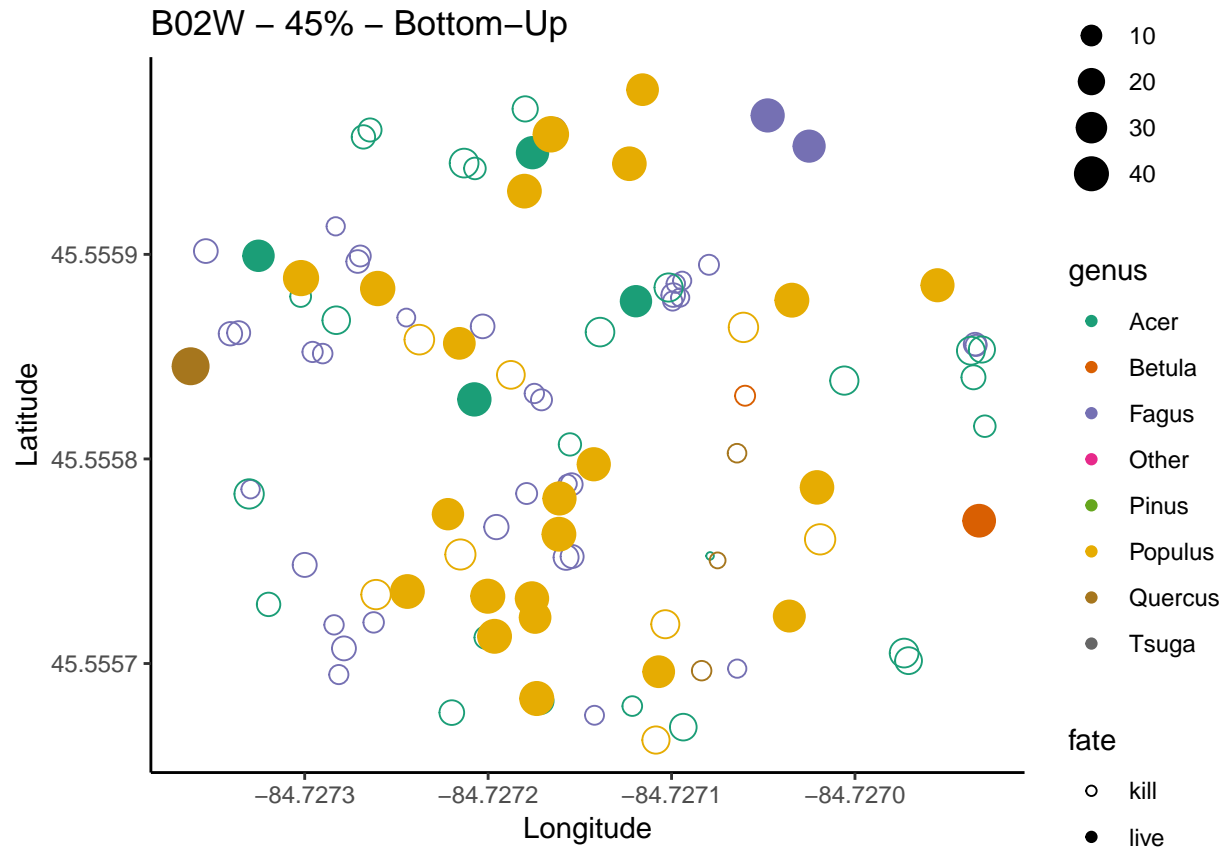
```
## 104
```



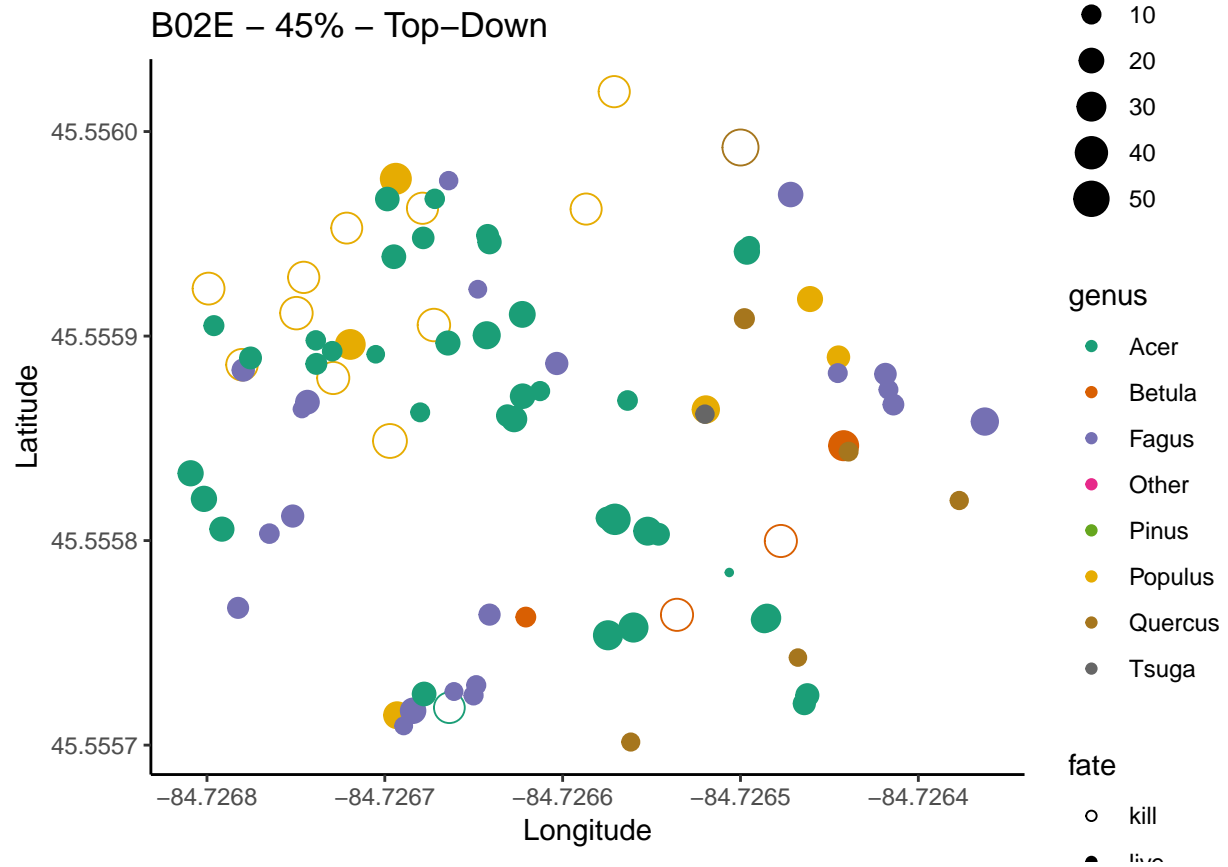
```
## Plot LAI
## [1] 6.330492
```

B02

```
## B02W, 45%, bottom-down
##
## kill live
## 72 30
```



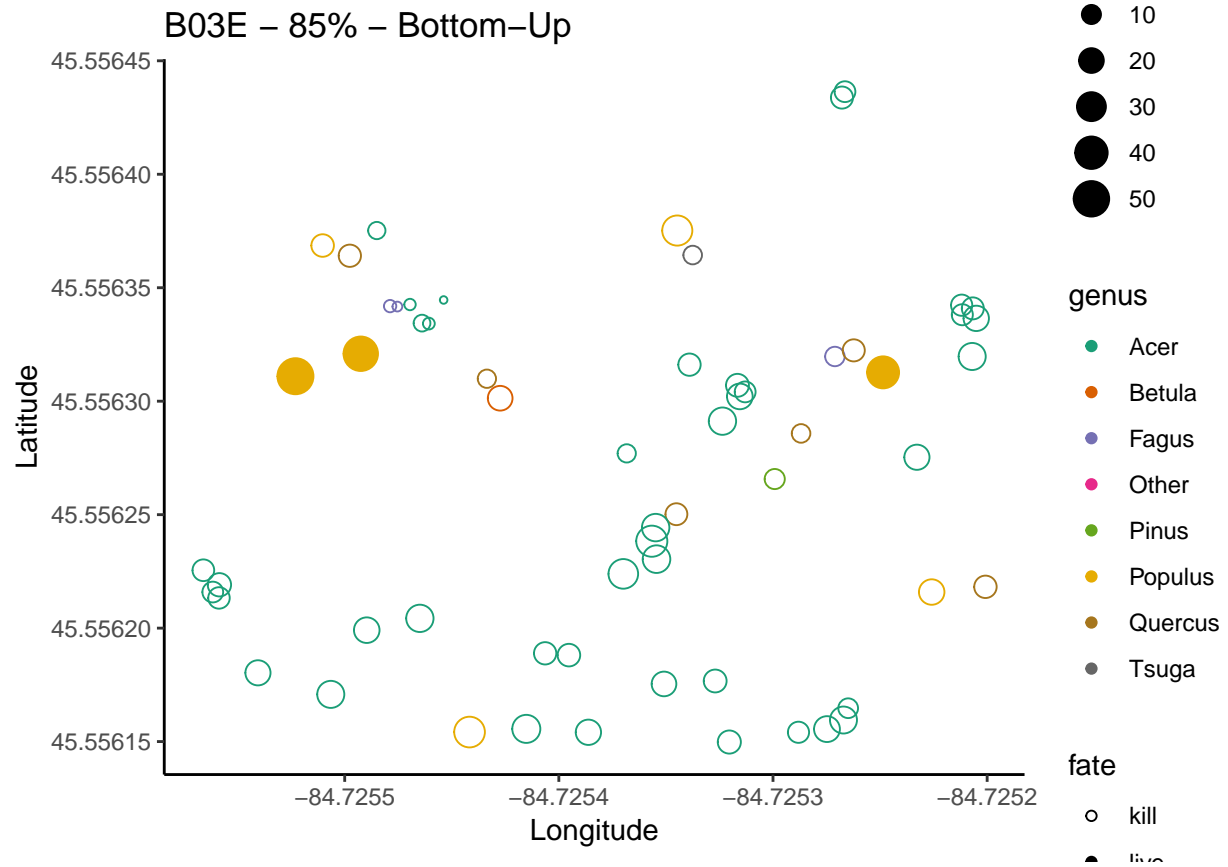
```
## Plot LAI
## [1] 9.71675
## LAI of all trees to Kill
## [1] 4.276084
## Ratio of Kill to Live LAI - Targetting 65% Disturbance threshold
## [1] 0.4400735
## B02E, 45%, Top-Down
##
## kill live
## 15 73
```



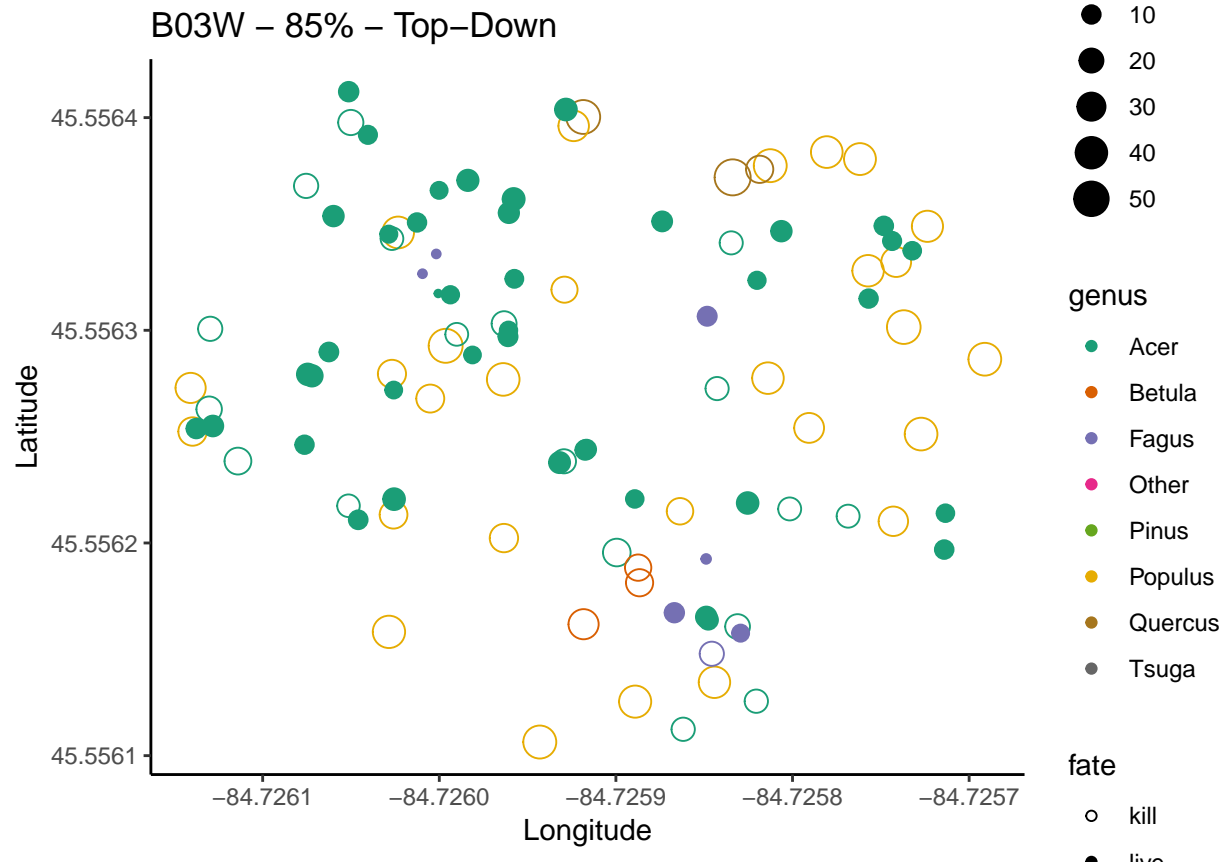
```
## Plot LAI B02E
## [1] 7.856358
## LAI of all trees to Kill
## [1] 3.477428
## Ratio of Kill to Live LAI - Targeting 45% Disturbance threshold
## [1] 0.442626
```

B03

```
## B03E, 85%, Bottom-Up
##
## kill live
## 58 3
```



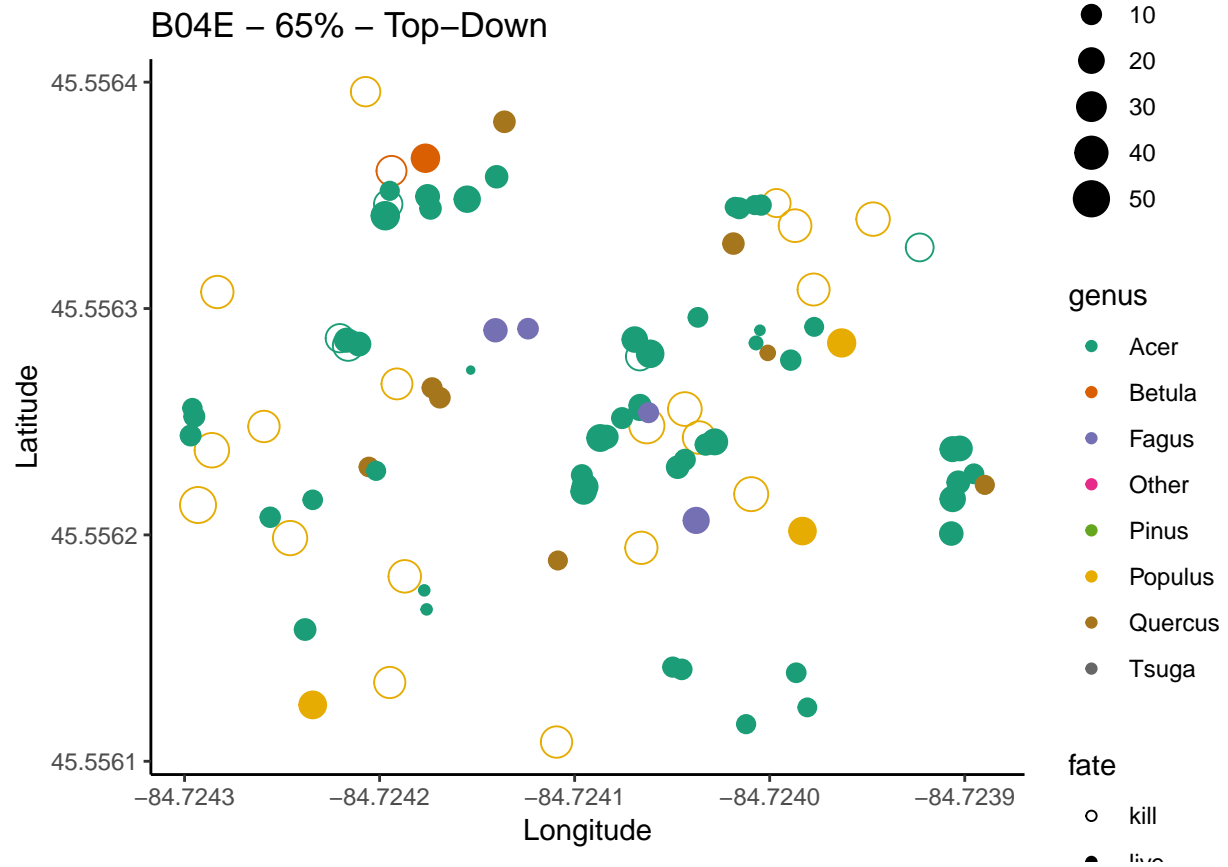
```
## Plot LAI B02W
## [1] 4.079713
## LAI of all trees to Kill
## [1] 3.298924
## Ratio of Kill to Live LAI - Targeting 85% Disturbance threshold
## [1] 0.8086167
## B03W, 85%, Top-Down
##
## kill live
## 54 47
```



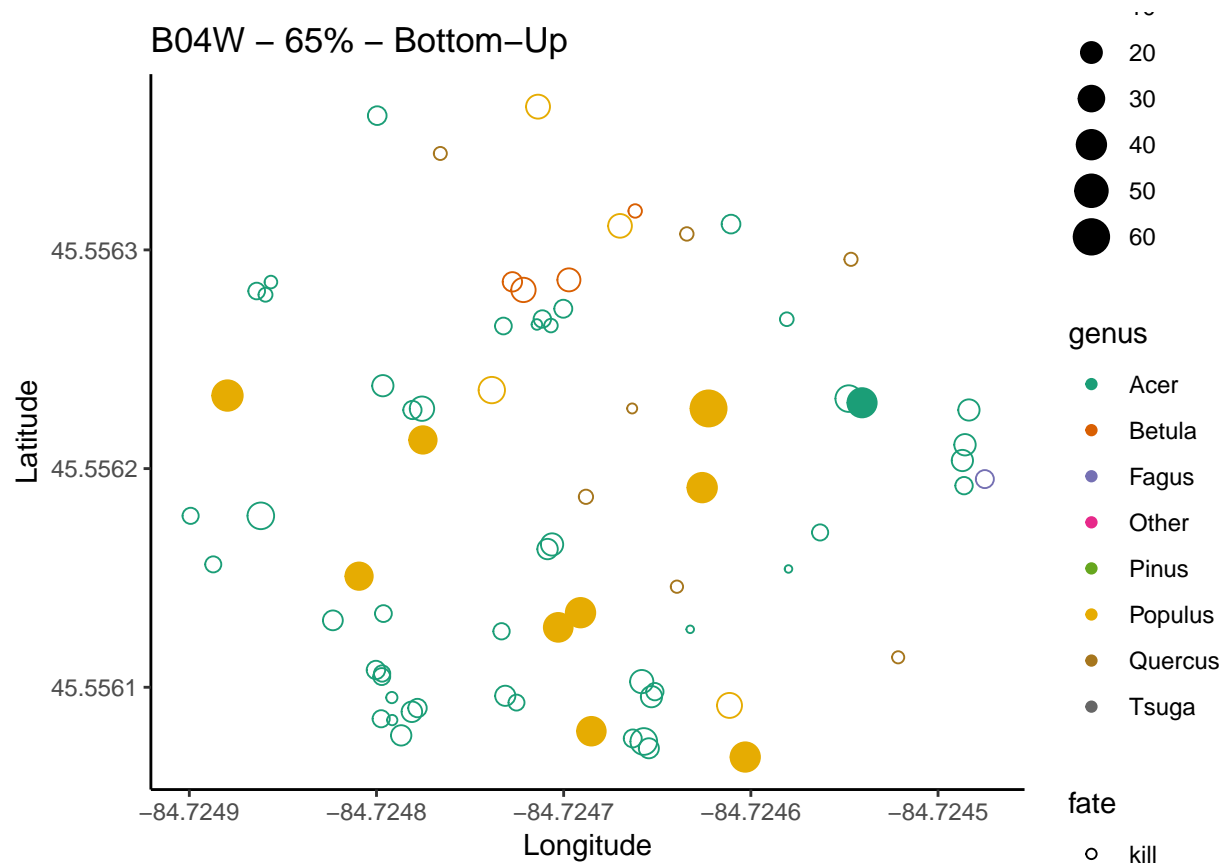
```
## Plot LAI B03W
## [1] 8.777837
## LAI of all trees to Kill
## [1] 7.455605
## Ratio of Kill to Live LAI - Targeting 85% Disturbance threshold
## [1] 0.849367
```

B04

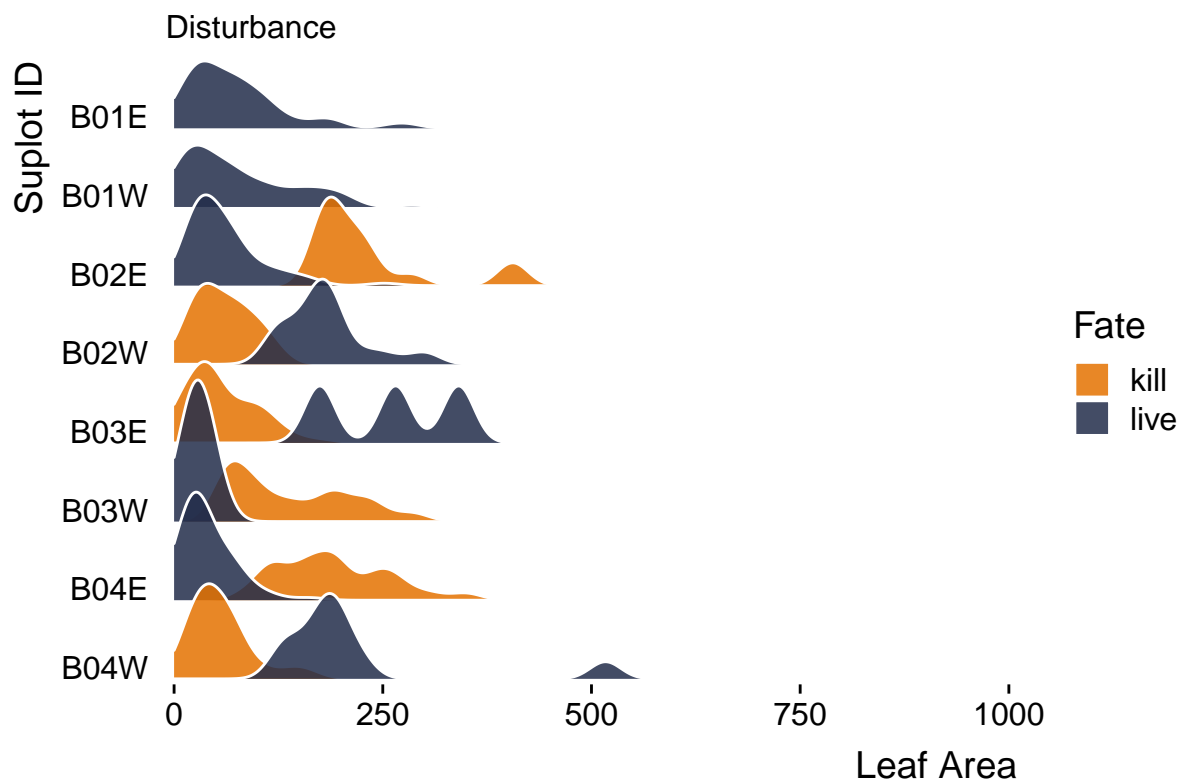
```
## B04E, 65%, top-down
##
## kill live
## 25 68
```



```
## Plot LAI B04E
## [1] 7.465573
## LAI of all trees to Kill
## [1] 4.777989
## Ratio of Kill to Live LAI - Targeting 65% Disturbance threshold
## [1] 0.640003
## 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 18.5
```

```
## Total mortality count
```

```
##
```

```
## kill live
```

```
## 288 421
```

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

```
## [1] 720
```

