

```

#install tmap to upgrade it each time when reopen the file
#install.packages('tmap')
library(fs)
library(terra)

## terra 1.7.55

library(tidyverse)

## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.4      v readr      2.1.4
## v forcats    1.0.0      v stringr   1.5.1
## v ggplot2     3.4.4      v tibble    3.2.1
## v lubridate  1.9.3      v tidyr     1.3.0
## v purrr       1.0.2

## -- Conflicts ----- tidyverse_conflicts() --
## x tidyr::extract() masks terra::extract()
## x dplyr::filter()  masks stats::filter()
## x dplyr::lag()     masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

library(tmap)

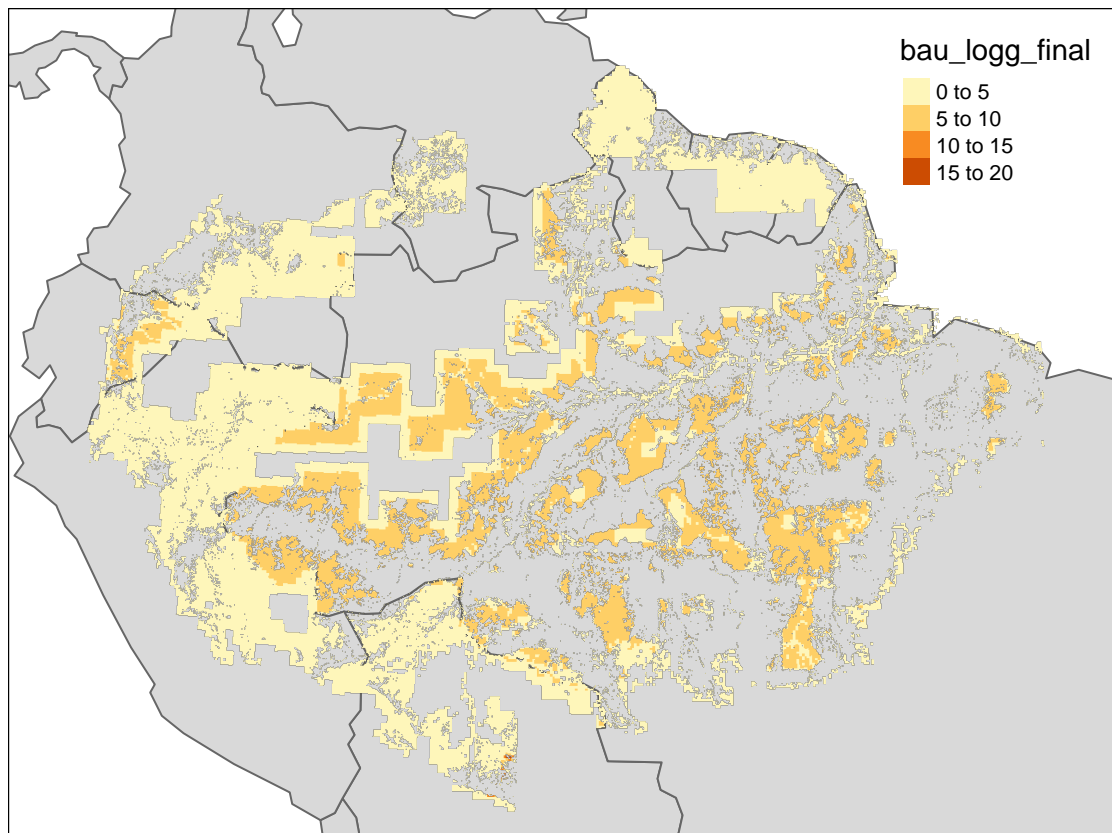
## Breaking News: tmap 3.x is retiring. Please test v4, e.g. with
## remotes::install_github('r-tmap/tmap')

# flist <- dir_ls("data")
baulogg <- rast("bau_logg_final.tif")
baufire <- rast("bau_fire_final.tif")
fire <- rast("fire.tif")
drought <- rast("drought.tif")
edge <- rast("edge.tif")
logging <- rast("logging.tif")

#tm_shape(baulogg)+tm_raster()+tm_baseemap()
data("World")
baulogg[baulogg < 0] <- NA
logmap <- tm_shape(World,bbox = stars::st_as_stars(baulogg))+tm_polygons() +
  tm_shape(baulogg)+tm_raster()
print(logmap)

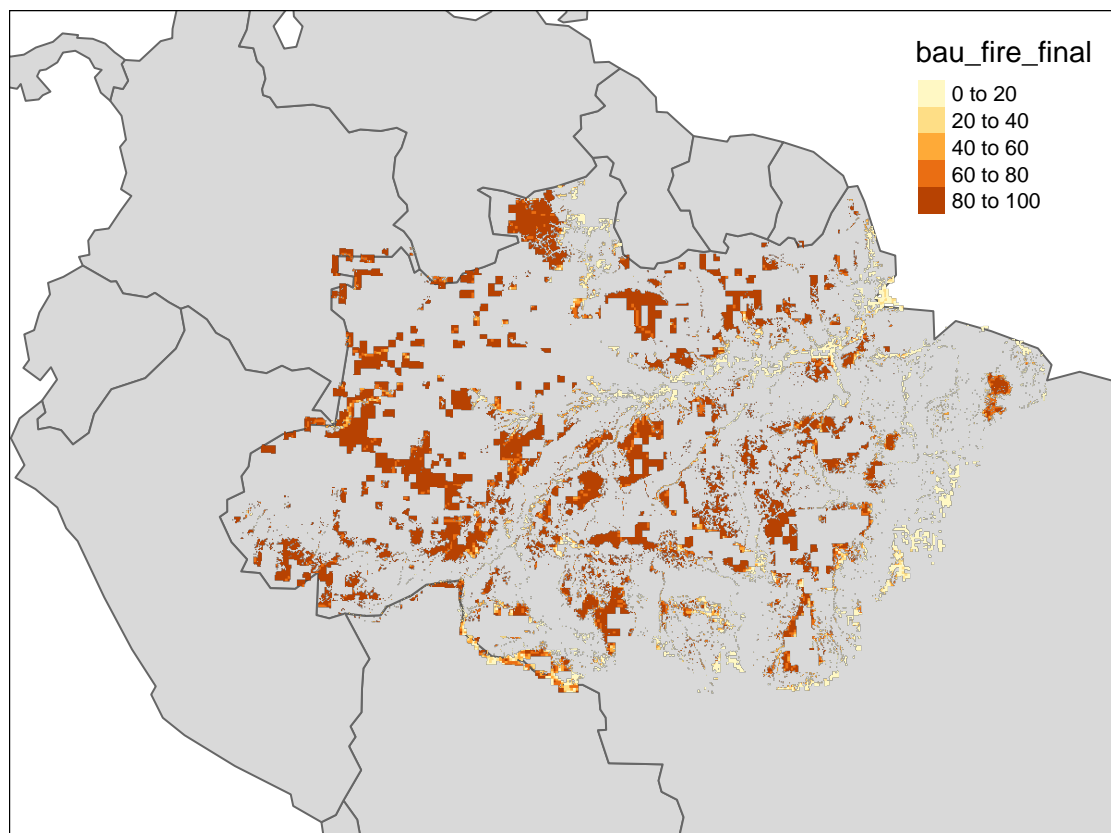
## stars object downsampled to 1140 by 877 cells. See tm_shape manual (argument raster.downsample)

```

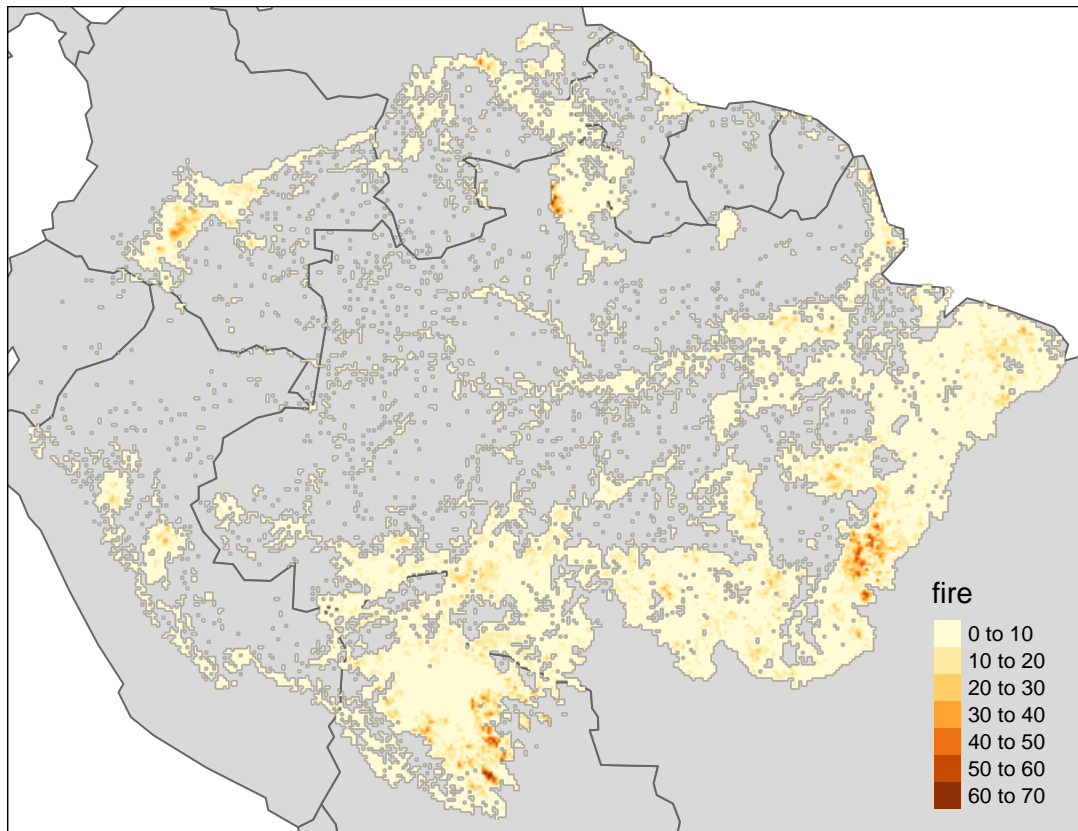


```
baufire[baufire < 0] <- NA  
tm_shape(World, bbox = stars::st_as_stars(baufire)) + tm_polygons() +  
  tm_shape(baufire) + tm_raster()
```

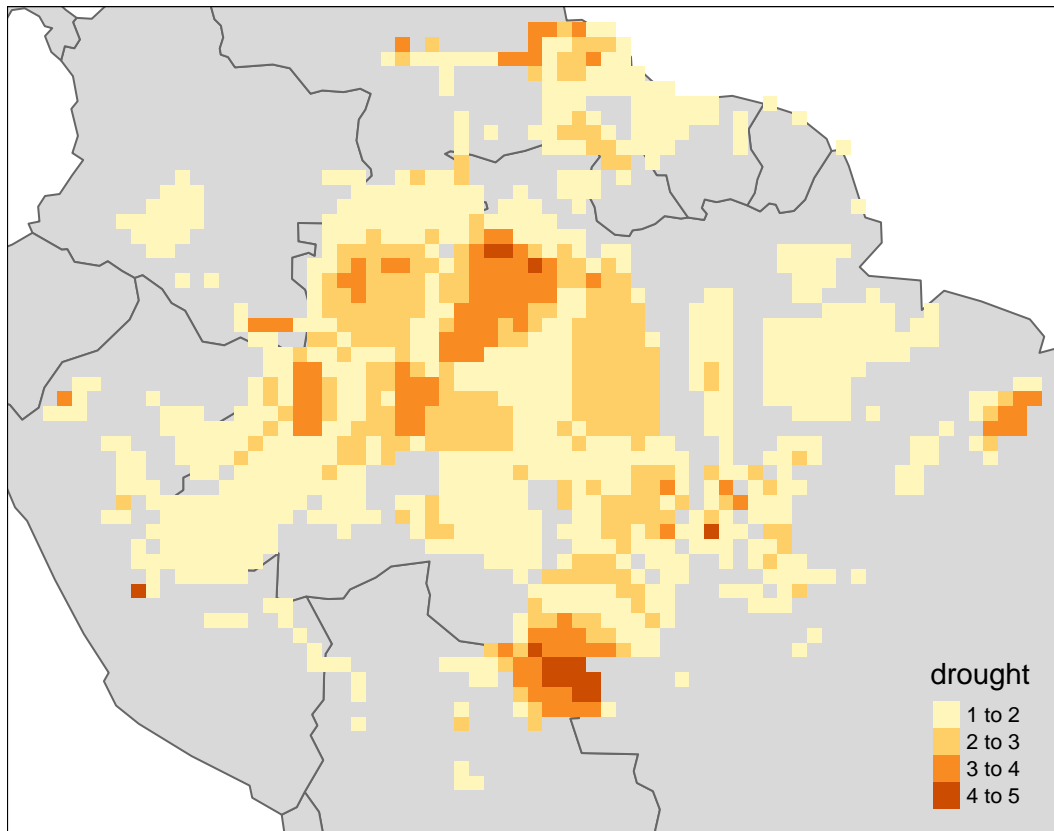
```
## stars object downsampled to 1140 by 877 cells. See tm_shape manual (argument raster.downsample)
```



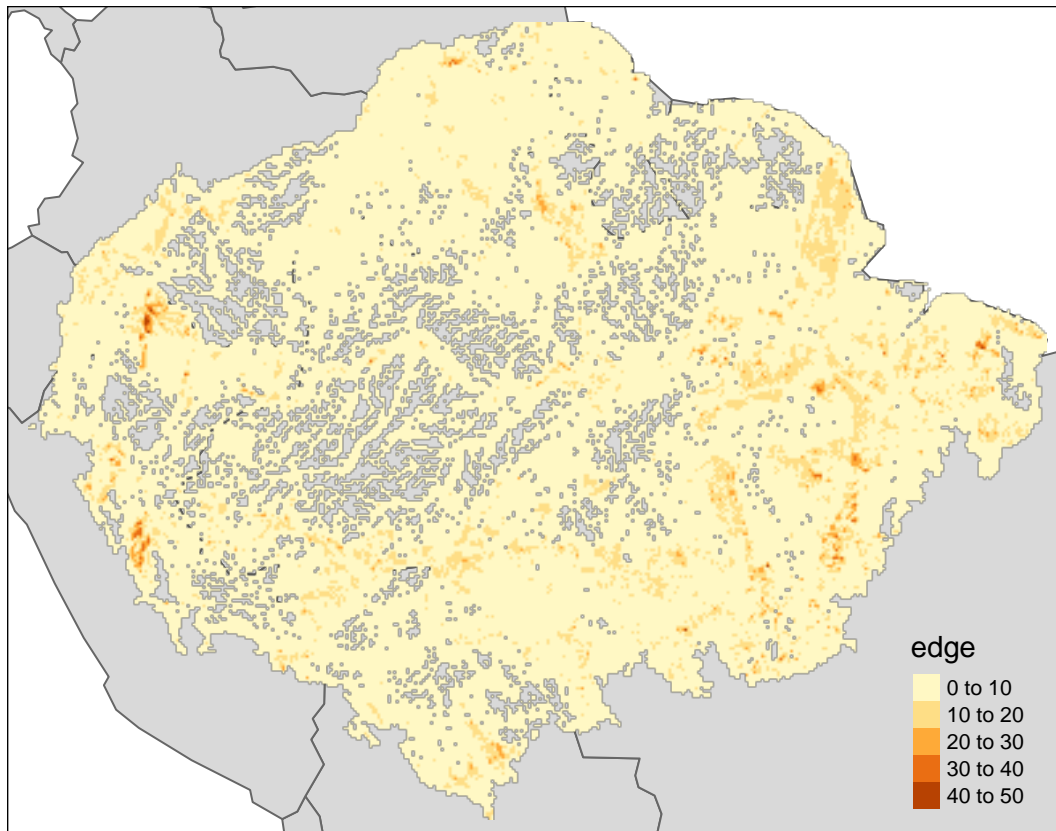
```
fire[fire == 0] <- NA
tm_shape(World, bbox = stars::st_as_stars(fire))+tm_polygons() +
  tm_shape(fire)+tm_raster(n=6)
```



```
drought[drought == 0] <- NA  
tm_shape(World, bbox = stars::st_as_stars(drought))+tm_polygons() +  
  tm_shape(drought)+tm_raster(n=4)
```



```
edge[edge == 0] <- NA
tm_shape(World, bbox = stars::st_as_stars(edge)) + tm_polygons() +
  tm_shape(edge) + tm_raster(n=4)
```



```
logging[logging == 0] <- NA  
tm_shape(World, bbox = stars::st_as_stars(logging)) + tm_polygons() +  
  tm_shape(logging) + tm_raster(n=4)
```

