

## 2020 Census Tracts Shapefile

LOCATION:

K:\DataServices\Datasets\Boundaries\Spatial\CENSUS2020\_TRACT\_SHP\CENSUS2020TRACTS\_POLY.shp

Github:

[https://github.com/mapc-lberman/reference\\_maps/tree/main/2020/shp](https://github.com/mapc-lberman/reference_maps/tree/main/2020/shp)

### Raw Data Source

Download from Tigris with R.

[#tigris](#) to shp

```
library(tidyverse)
```

```
library(tigris)
```

```
library(sf)
```

```
df <- tigris::tracts(state = 25, year = 2020)
```

```
options(tigris_use_cache = TRUE)
```

```
st_write(df, "tracts_2020_raw.shp")
```

### Set up raw data

Check and validate input layers.

Layer one: clip layer (the extent to use for the shoreline)

2010 Census Tracts pgn

src:

K:\DataServices\Datasets\Boundaries\Spatial\CENSUS2010\_BLK\_BG\_TRCT\_SHP\CENSUS2010TRACTS\_POLY.shp

Layer two:

tracts\_2020\_raw.shp the layer to be clipped

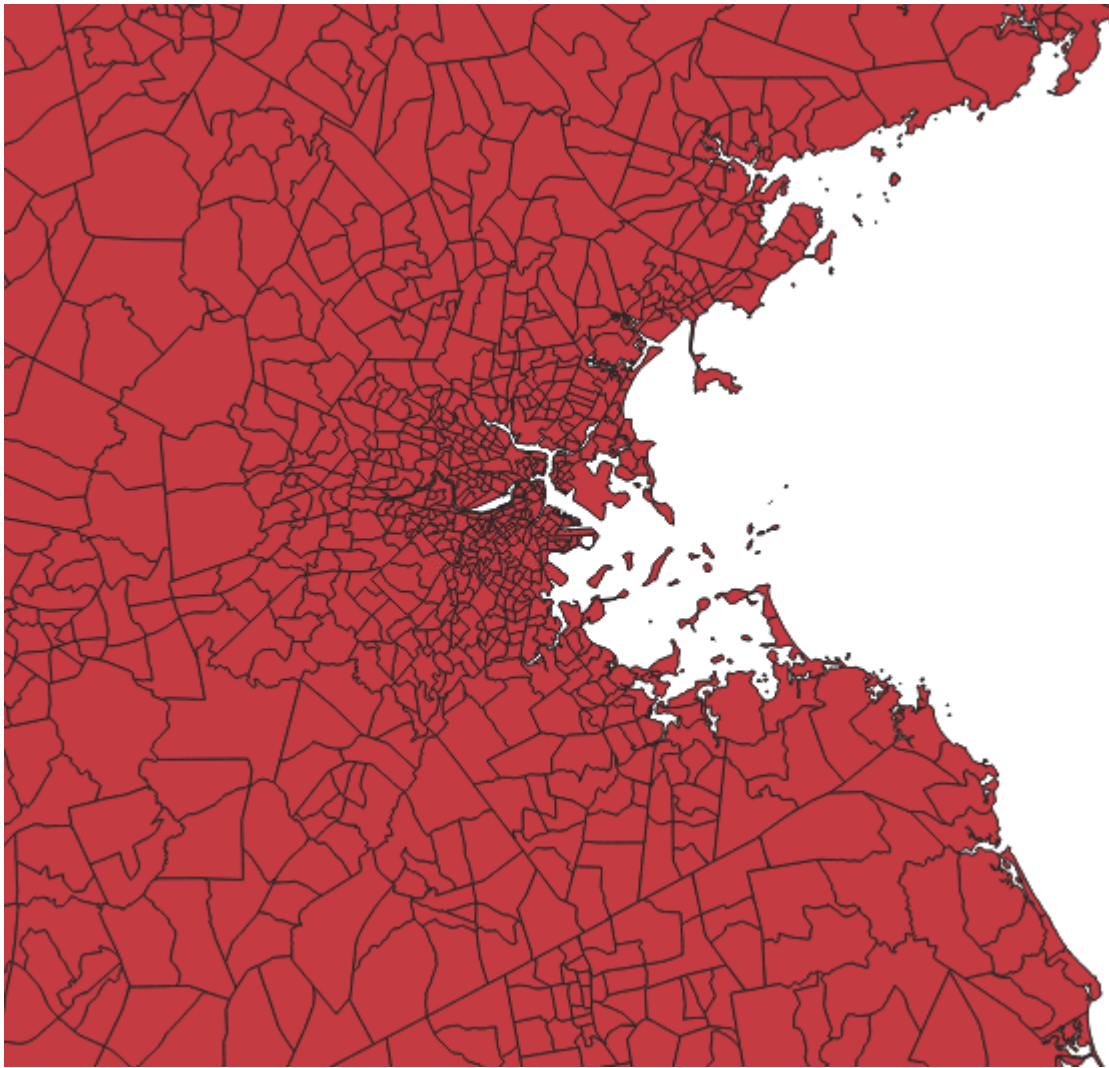
### Processing

Merge Layer one into a single polygon (otherwise the recursive function to clip all internal boundaries will crash the clip process)



Clip layer two (2020\_tracts\_raw) with the dissolved single pgn of 2010.

The output intersection provides the 2020 tracts with the outer extent (coastline) of the single 2010 polygon.



note: there are five offshore polygons with no apparent data or islands associated with them.  
IDS in 2020:

25025990101  
25007990000  
25005990000  
25019990000  
25023990003

