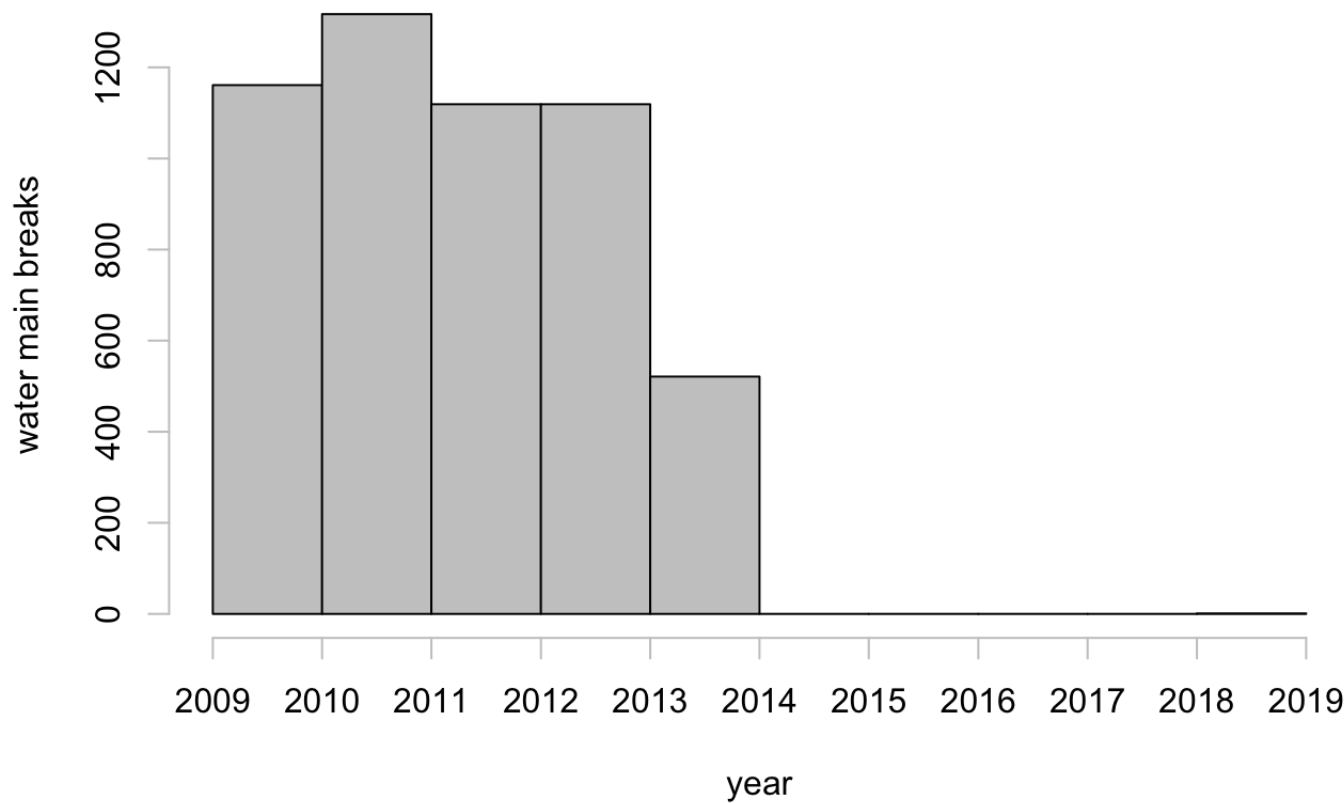


Water Main Data

Here are three graphs that help break down our water main data. Here's how the pipes broke, by year:

Water Main Breaks by Year



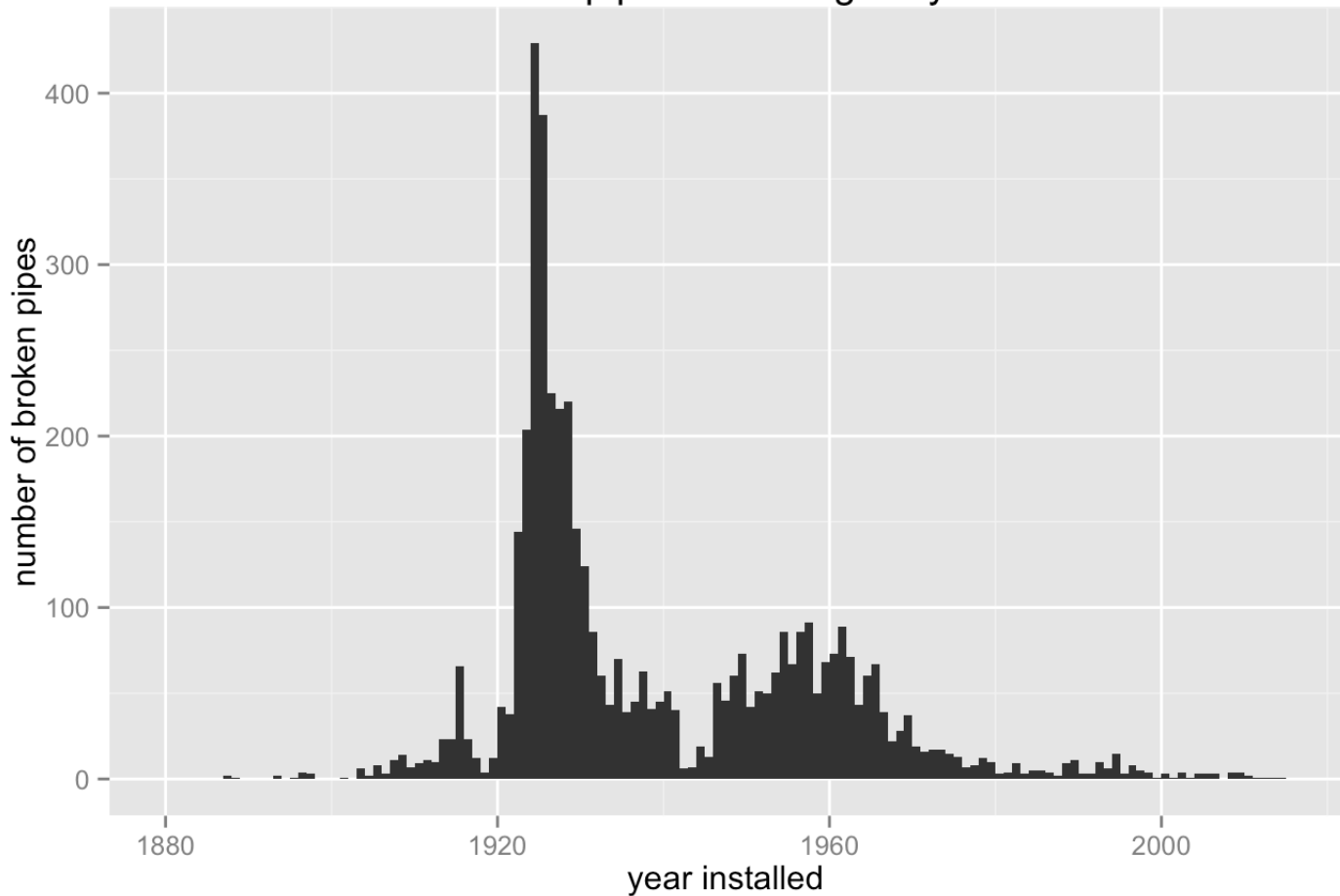
...and it's WAY down this year (though this year only gets to early November in the data). Wonder why.

This is a little confusing to look at, but it's basically saying that four of the six biggest days for pipe breaks came in early December 2011. I checked the weather back then, and it wasn't raining...so what happened?

##	12/06/11	12/08/11	01/02/13	12/07/11	12/09/11	01/03/12	12/31/12	01/10/11
##	21	21	19	18	18	17	17	16
##	01/13/11	(Other)						
##	16	5075						

Here's when those pipes originally broke. Notice that LOTS of them are from the roaring 20's; aging infrastructure seems to be at the heart of the issue

when broken pipes were originally installed



And here's where they broke, the deeper red means that more reports of broken pipes from that area. Should give you a rough idea of locations (you can ignore the notes before the map)

```
## Map from URL : http://maps.googleapis.com/maps/api/staticmap?center=34,-118.4&zoom=10&size=%20640x640&scale=%202&maptpe=terrain&sensor=false  
## Google Maps API Terms of Service : http://developers.google.com/maps/terms
```

```
## Warning: Removed 345 rows containing missing values (geom_point).
```

