

Data downloaded from city of Vancouver open data

Links:

<https://opendata.vancouver.ca/explore/dataset/abandoned-water-mains/export/>
<https://opendata.vancouver.ca/explore/dataset/water-distribution-mains/information/>
<https://opendata.vancouver.ca/explore/dataset/water-pressure-zones/export/>
<https://opendata.vancouver.ca/explore/dataset/local-area-boundary/export/>

The data from water-distribution-mains and abandoned-water mains was combined using a couple of javascript scripts and a geojson-merge command from the package available on npm, which are included, although they will not function correctly as the input data is not included for space concerns.

The pressure zones data was used somewhat in the processing so I include the link here, however, the data was not used in the dashboard so I did not include the file again for space concerns.

I include my final processed data in the “combined-mains.geojson” file, but I do not include the original geojson files that can be obtained from the links, again for space considerations.

All data considered in the final dashboard are included.

Notes: The processing of data was done in a few steps, as I realized what I needed to do in a stepwise fashion. It’s a little complicated but here are the details.

To obtain the data found in the dataset folder, the following steps need to be followed:

1. the geojson files from the above links need to be downloaded and stored in the appropriate folder to be accessed by the scripts(name can be found in the scripts).
2. After the first script (Calculate_pipelength_pipeNeighbourhood.html) is run (needs to be loaded with web server) the files need to be downloaded with a click of the links that appear in the browser.
3. Those files then need to be named appropriately for the second script (merginJSON.html) to function properly.
4. After the second script is run there are two files to download through links in the browser window.
5. Once these files are downloaded, put them in the same folder as one another and run the command:

```
geojson-merge in\ use.geojson  abandoned.geojson > combined-mains.geojson
```

if you don’t have geojson-merge installed it can be installed from npm using:

```
npm install -g @mapbox/geojson-merge
```

<https://github.com/mapbox/geojson-merge> is the link to the package source.