**OpenStreetMap Data Case Study**

**Map Area**

Calgary, Alberta, Canada

* <https://www.openstreetmap.org/relation/177415>

This map is of my city, so I’m more interested to see what database querying reveals, and I’d like an opportunity to contribute to its improvement on OpenStreetMap.org.

<bounds minlat="50.9576000" minlon="-114.2238000" maxlat="51.1365000" maxlon="-113.9186000"/>

**Problems Encountered in the Map**

After initially downloading a small sample size of the Calgary area and running it against a provisional data.py file, I noticed five main problems with the data, which I will discuss in the following order:

* Consistency – The street types are inconsistent and incorrect. For example, Calgary is divided into four quadrants – North West, North East, South West and South East. But when I run the course provided audit() function to get all the street types, there are many variations of each quadrant. For example, North East is spelled as *Northeast*, *NE*, *N.E.* and *n.e.* , when all of these four variations are of the same type. The same applies to South West, where it is categorized as *Southwest*, *south-west*, and *S.W*.
* Accuracy – Relating to the above point, all the nodes end with the quadrant, rather than the specific street type when I run the audit() function.