OSM-DRCOG Planimetrics Import

The VERY BASICS

The GOAL

DRCOG has marvelous building footprint data that they would like to add to OpenStreetMap in support of open data. We are going to bring in these footprints (over 1,000,000 buildings!) into OSM in small project grids while maintaining good data the OSM community has already contributed.

Read through entire workflow.md before editing your first block

https://github.com/geochasm/DRCOG_Buildings/blob/master/workflow.md

ENVIRONMENT SETUP

- Create an Import account, register on GitHub -- do NOT use your normal OSM account
- Download and use the JOSM editor -- editing tools that make this project possible
- Pick your task from the tasking manager -- find an 'easy' task if it is your first edi
- Get DRCOG data for your task -- download "here" in the tasking manager
- Add existing OSM data for your task area workspace in JOSM

PROJECT WORK

- Do the CAREFUL, eyes-on work of merging the two layers
- Upload your edits to OSM!
- How many grids can you do?
- If you want to contribute edits on medium or hard tasks, reach out on #colorado slack channel to "use the buddy system'" for your first time through

STEP BY STEP

Work through, block by block comparing the geometry and attributes of the DRCOG and OSM buildings.

No Conflicts - OSM building footprints

Buildings and attributes can be merged over (ctrl+shft+m). Each should be inspected to see if it is confirmed a house to change "building= residential" to "building=house". This process will go quickly, make sure to also check addresses and make sure they are clean - ie no unit numbers in street address, etc. In Denver, if the street address says "North" - delete it (keep S, W, E prefix).

*RED Building Highlight, represents building merge process

DRCOG data

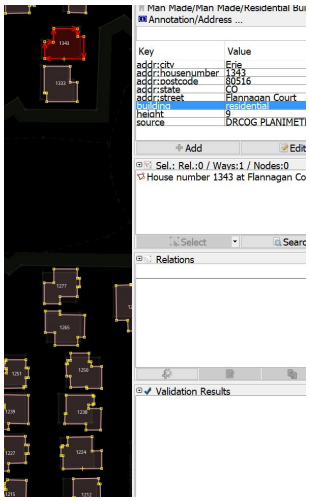
OSM data BEFORE import

OSM data AFTER import

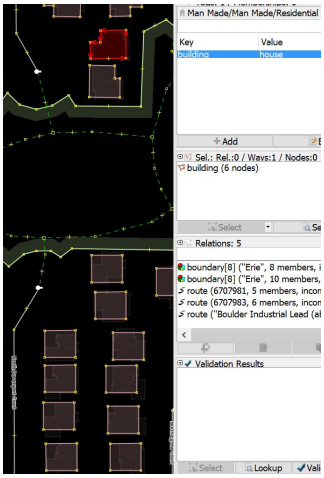
Conflict Areas - OSM Data is Good, Import DRCOG Attributes

Compare the two data layers along with the imagery. Which is the better representation of the geometry? Which is the better set of attributes? In this scenario it was quicker to copy the attributes and keep the existing OSM Geometry.

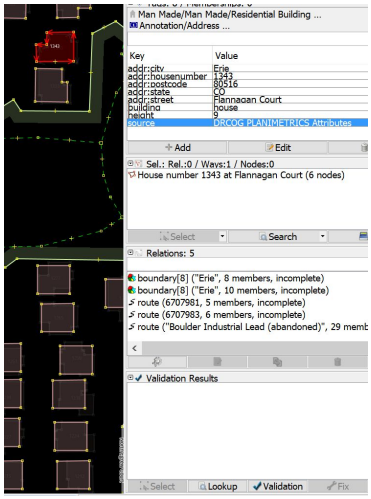
DRCOG data



OSM attributes BEFORE import

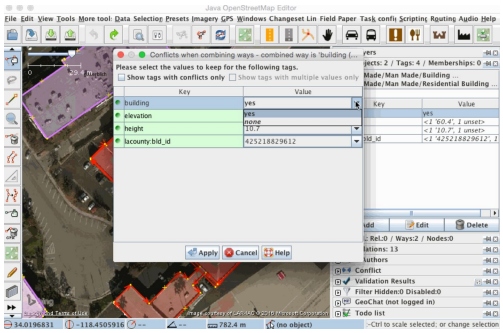


OSM attributes AFTER import



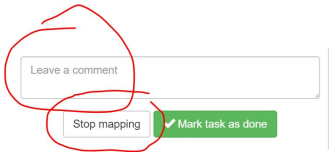
Conflict Areas - DRCOG Geometry and (some) Attributes are better -- conflate via REPLACE GEOMETRY

If you had decided to use the DRCOG building and attributes, you would use the Replace Geometry tool. Conflating data is a dynamic process that involves multiple steps. For more on this and other rulesets, see the main workflow document:
https://github.com/geochasm/DRCOG_Buildings/blob/master/workflow.md



IF the block you selected has one scenario that deviates from something that one of these three solutions can resolve, check in with your event organizer or reach out on #colorado slack OSM Team.

IF the block you selected has many scenarios that deviate from this document, stop mapping the task, and make a note in the comments that this is an advanced block that requires editing in a different sprint of the project.



Stop mapping, leave a comment! Move on to another 'easy' task.