Data review

Data review

- Validation
  - data warning and errors
  - conflict resolution
- Using filters and optical analysis
- Re-survey sample areas

Validation

Before uploading, JOSM will notify you of found errors/warnings.

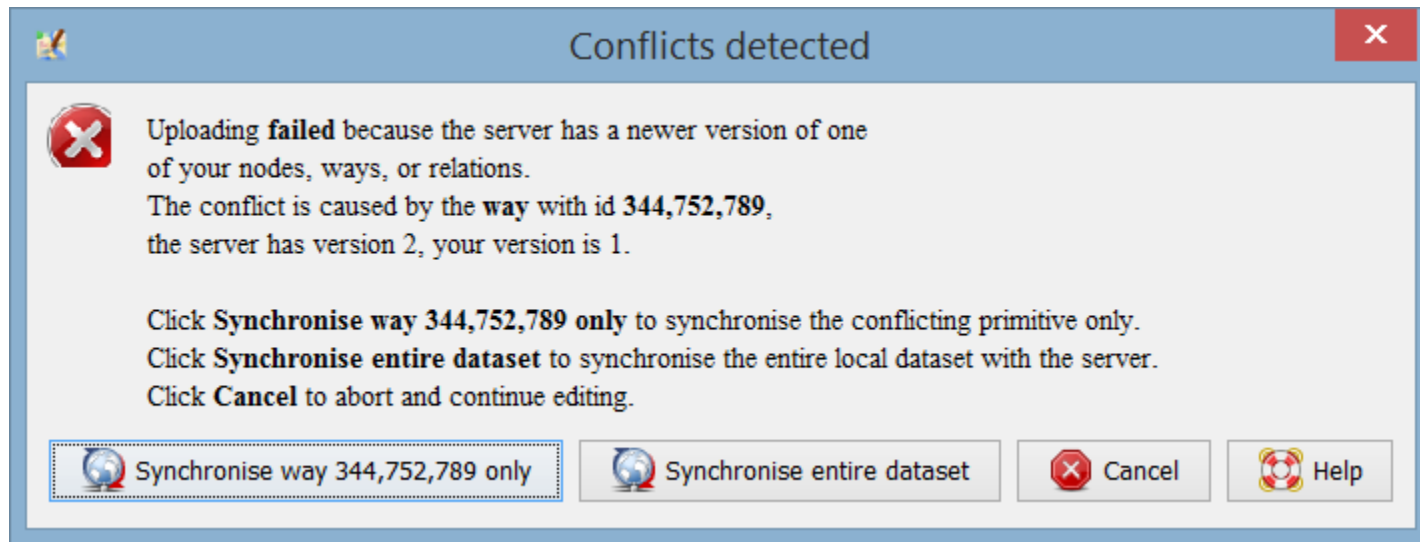## READ, AND UNDERSTAND, THEM!

Then: 1) fix them, or 2) request help.

Conflict resolution

- Best option: avoid conflicts: upload data often, in small portions
  - (at least once every 15 minutes!)

- If a conflict happens while uploading:
  - Find the person whose data you're conflicting with
  - Figure out what's happening
  - In short, TALK

Conflict resolution

Be conservative! When given the choice, and you're not sure, choose the other party's data (which is already on the server)

Filters and optical analysis

- Spotting common mistakes
- Using filters

Optical analysis

Look at the map closely…

- Are there any double buildings?
- Footways that don't connect to roads?
- Things with a *name* that should be in another key (trees, buildings, etc)
- Secondary/tertiary ways that don't connect to a road network?
- Strangely shaped buildings?
- Crossing roads without a node to connect them?
- Overlapping building?
- Untagged ways?

Common mistakes: 'name' tag

Using the "name" tag
when it shouldn't

(here, "building=type",
"amenity=service" and
"building:levels=4")

Names and capitalization

Good:

DJ Mrisho Records, Rama Garage, Feti Cafe

Bad:

DJ MRISHO records, MUSIC SHOP, Peace and love Pub, Feti cafe

Names and capitalization

Good:

Pongwe Road, Kondoa Street, Zinga Road

Bad:

Mufindi street, kikwetu street

Avoid:

Abbreviations like Mt., St., Str for Street

Names and capitalization

Common mistakes: mapping trees

Good:

species:en=coconut

Bad:

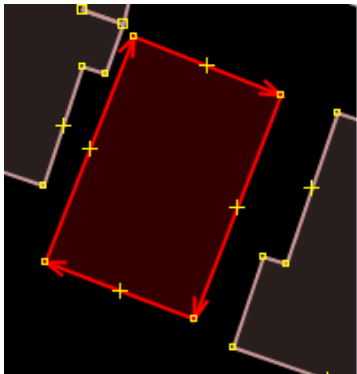name=Coconut Tree

Common mistakes: top of building

Wrong:

Correct:

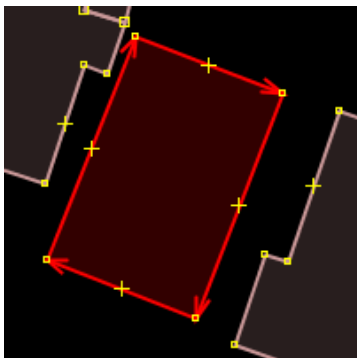# Building=yes, no levels, should not have a name
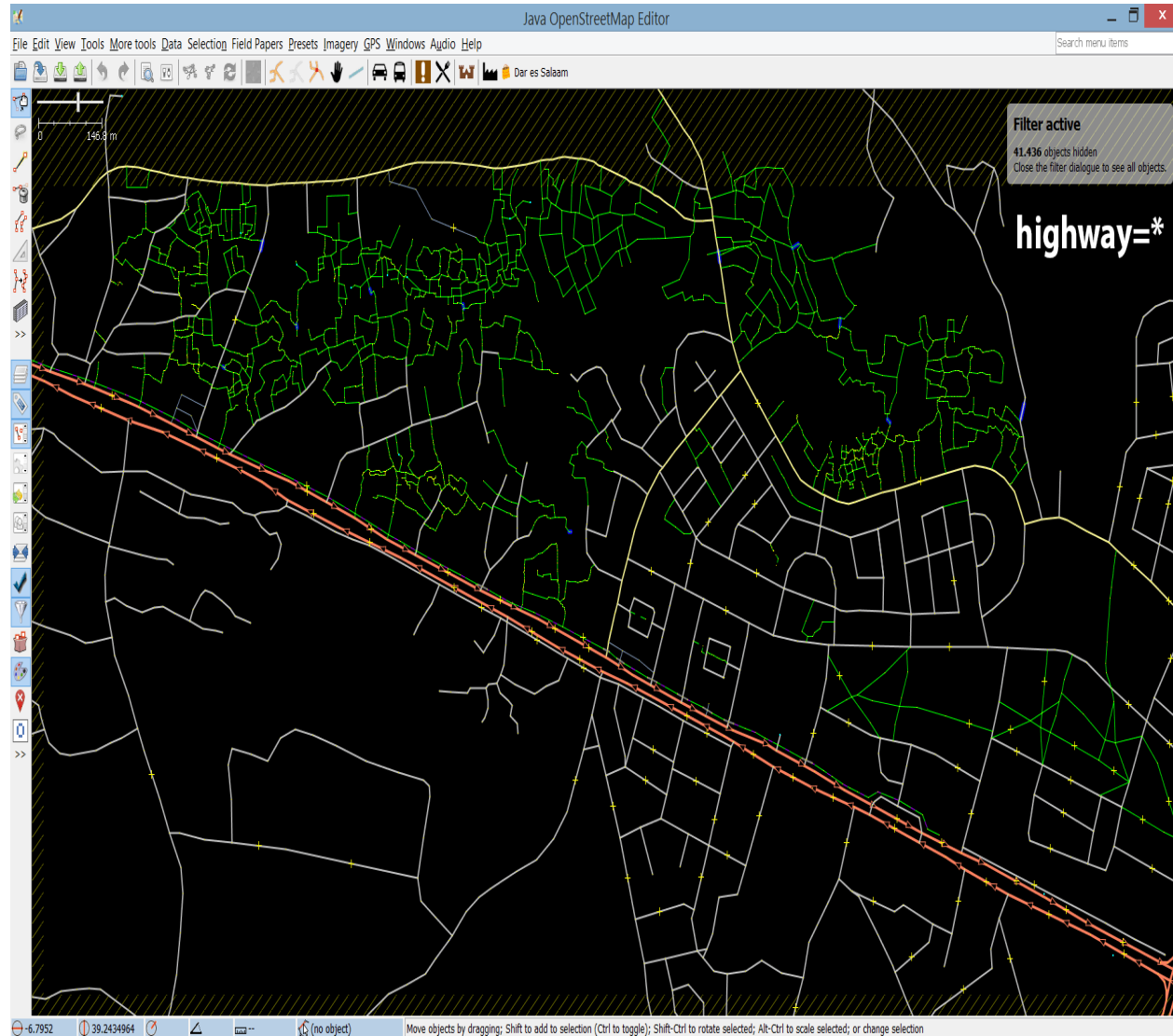
Filters

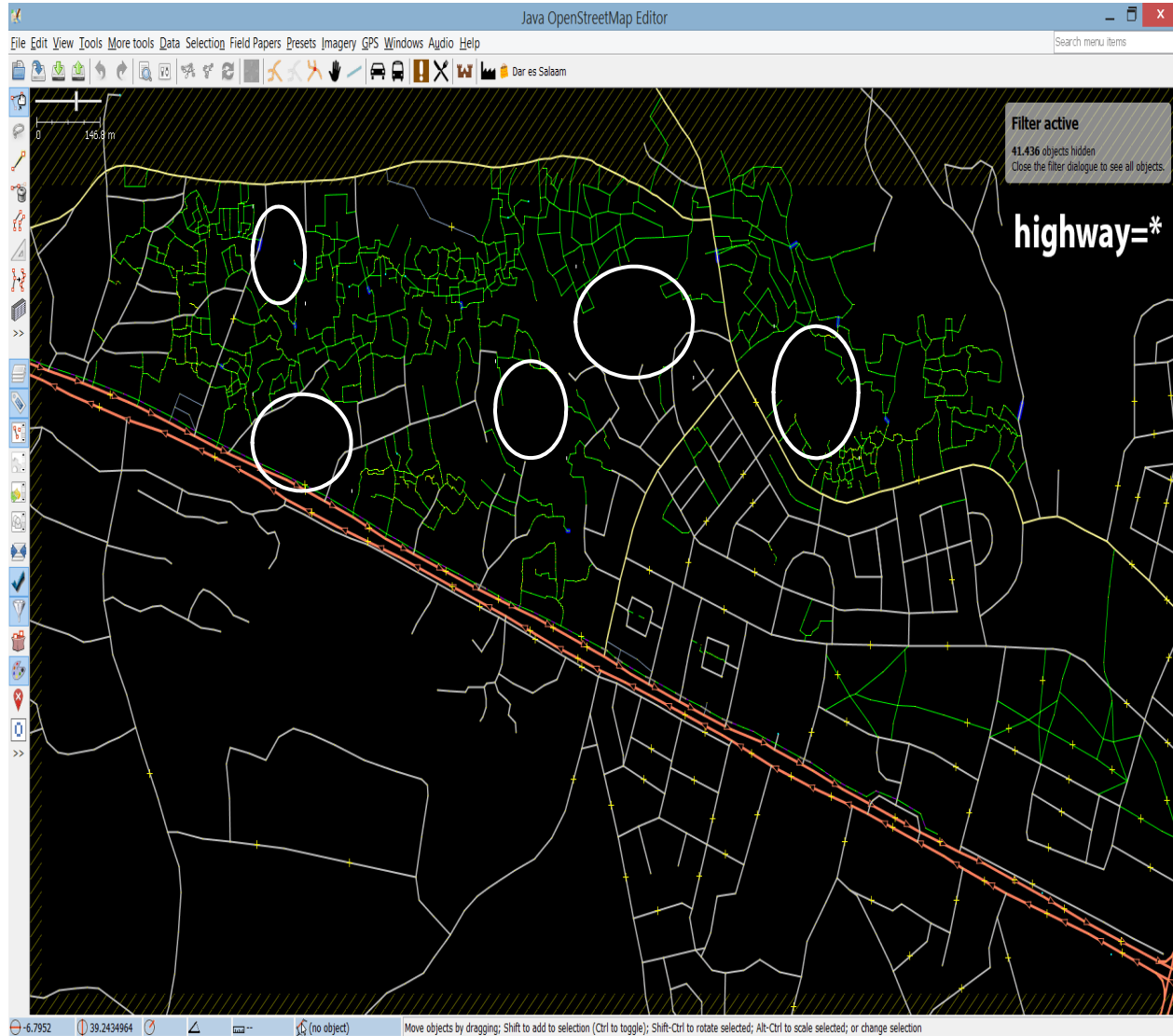| Filter	Purpose
`waterway=* | natural=wetland`	Focus on the drainage network, very useful for targeted analysis.
`highway=*`	Focus on the road network, very useful for targeted analysis.
`building=*`	Focus on the buildings.
`building=* & (-building\:levels | -building\:material)`	Find any buildings that don't have either the 'building:levels' or the 'building:material' tag.
`building=* & addr\:housenumber & -addr\:street`	Find any buildings that have a house number, but lack a street name.

Filters (2)

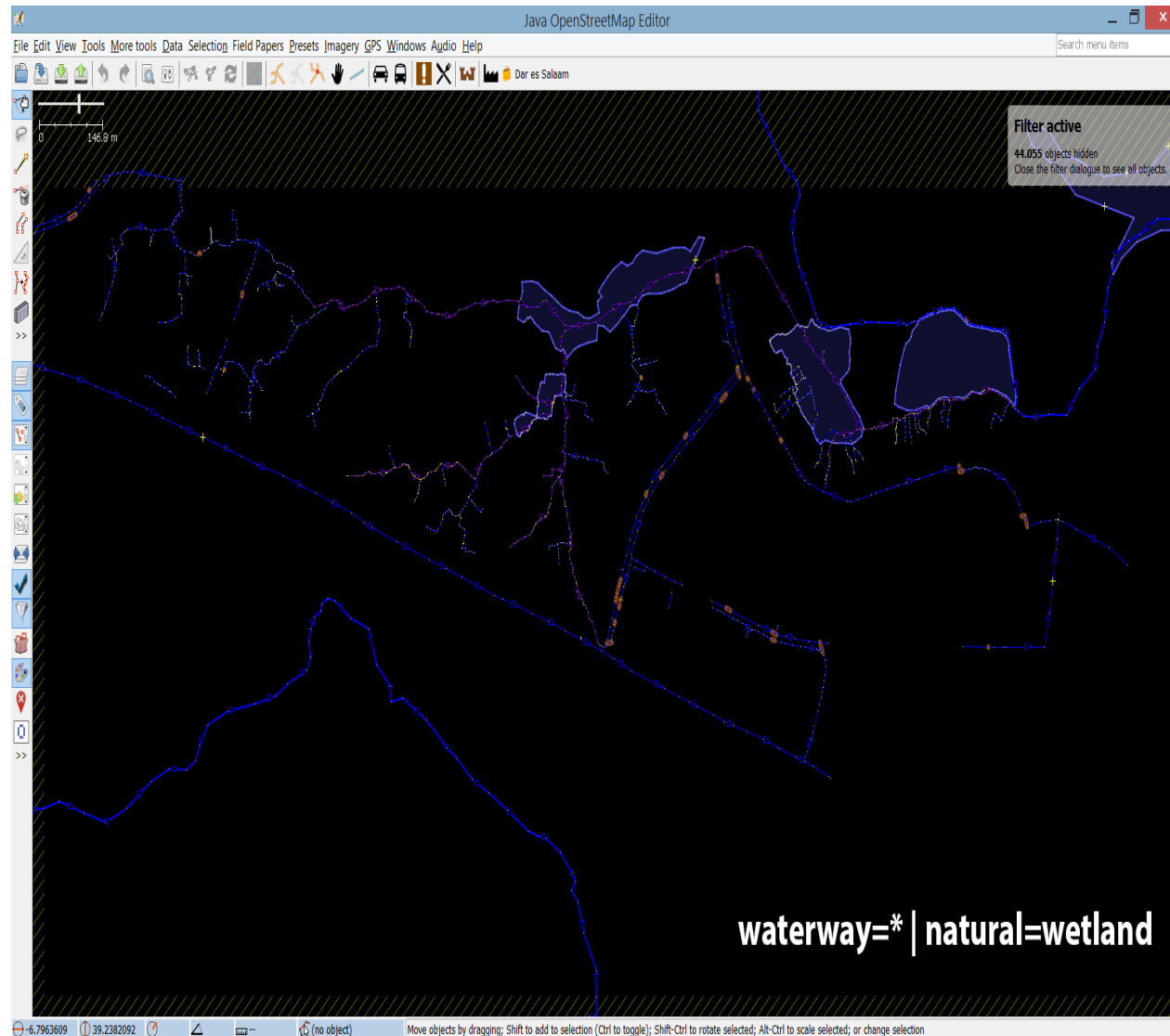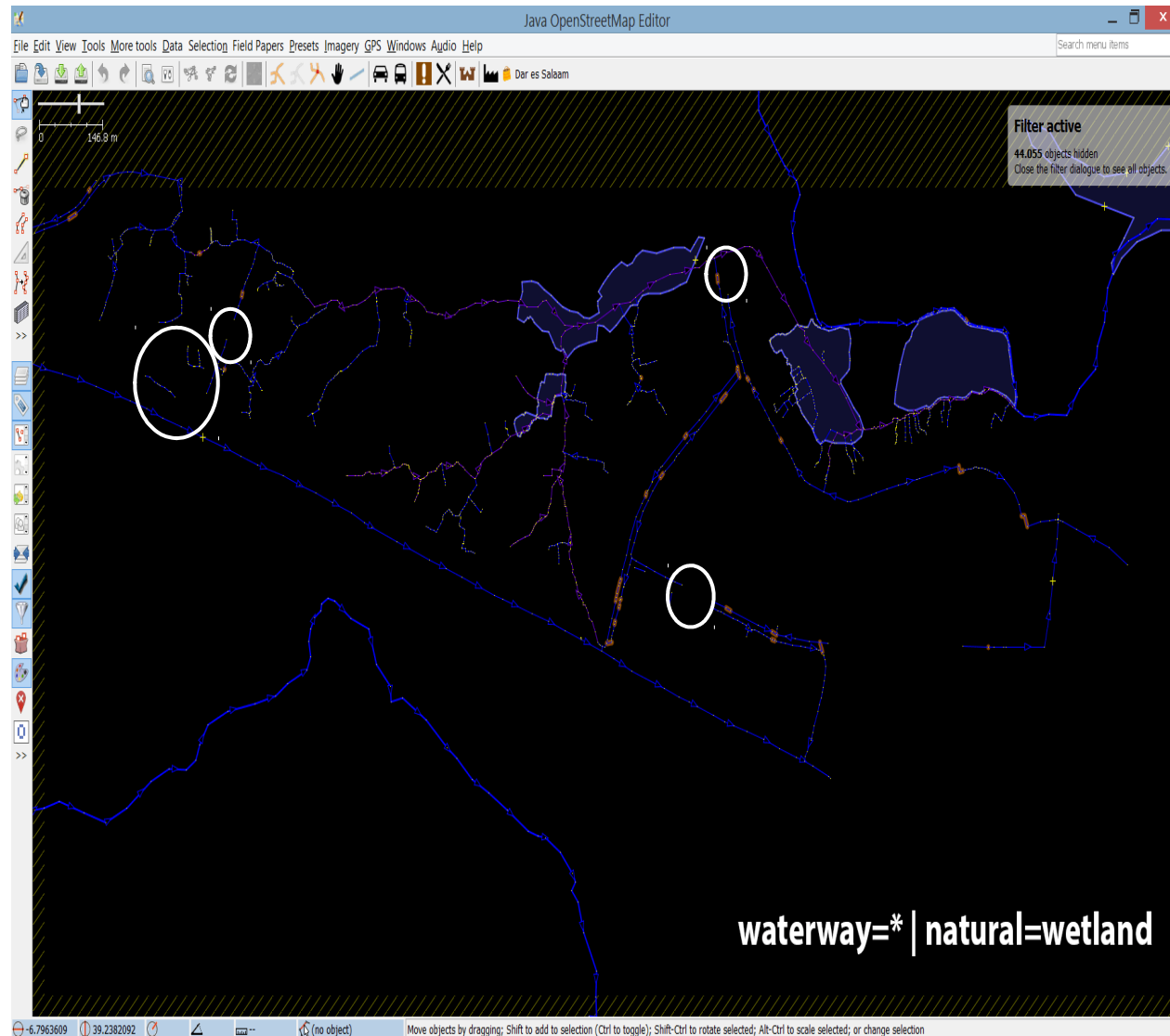| Filter	Purpose
`building=* & type:node`	Find nodes that are tagged as building; this sometimes occurs due to uncareful selection.
`natural=tree & name=*`	Trees with a name. Most of the times, this should be put into 'species:en'.
`width:[A-Za-z] | height:[A-Za-z] | diameter:[A-Za-z]`	Find any 'width', 'height' or 'diameter' attribute that has letters in it, often a unit. This was a common mistake in the first weeks.
`timestamp:2015-04-15/` `timestamp:2015-04-01/2015-04-12`	Focus only on the data for a particular day (or the defined timeframe)

Gaps in the road network?

Gaps in the road network?

Gaps in the drainage network?

Gaps in the drainage network?

Re-survey sample area

- Pick a small part area (say, 100x100 meters)
- Go out to recollect data
- Compare collected data with OSM data
  - Fix tagging mistakes
  - Fix missing/incomplete/wrong data
- Takes notes of the found mistakes, and submit to supervisor