

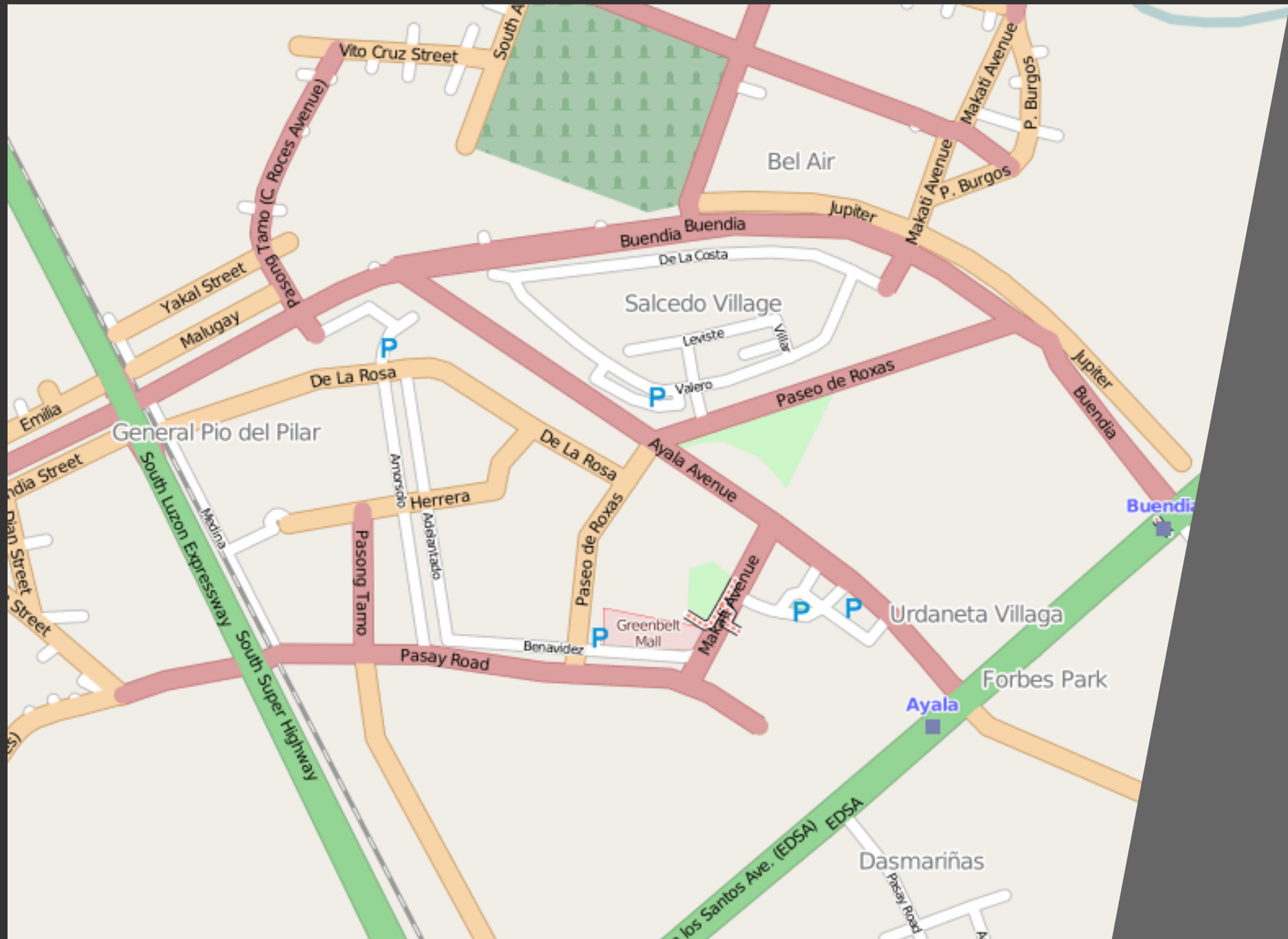


State of the PHILIPPINES

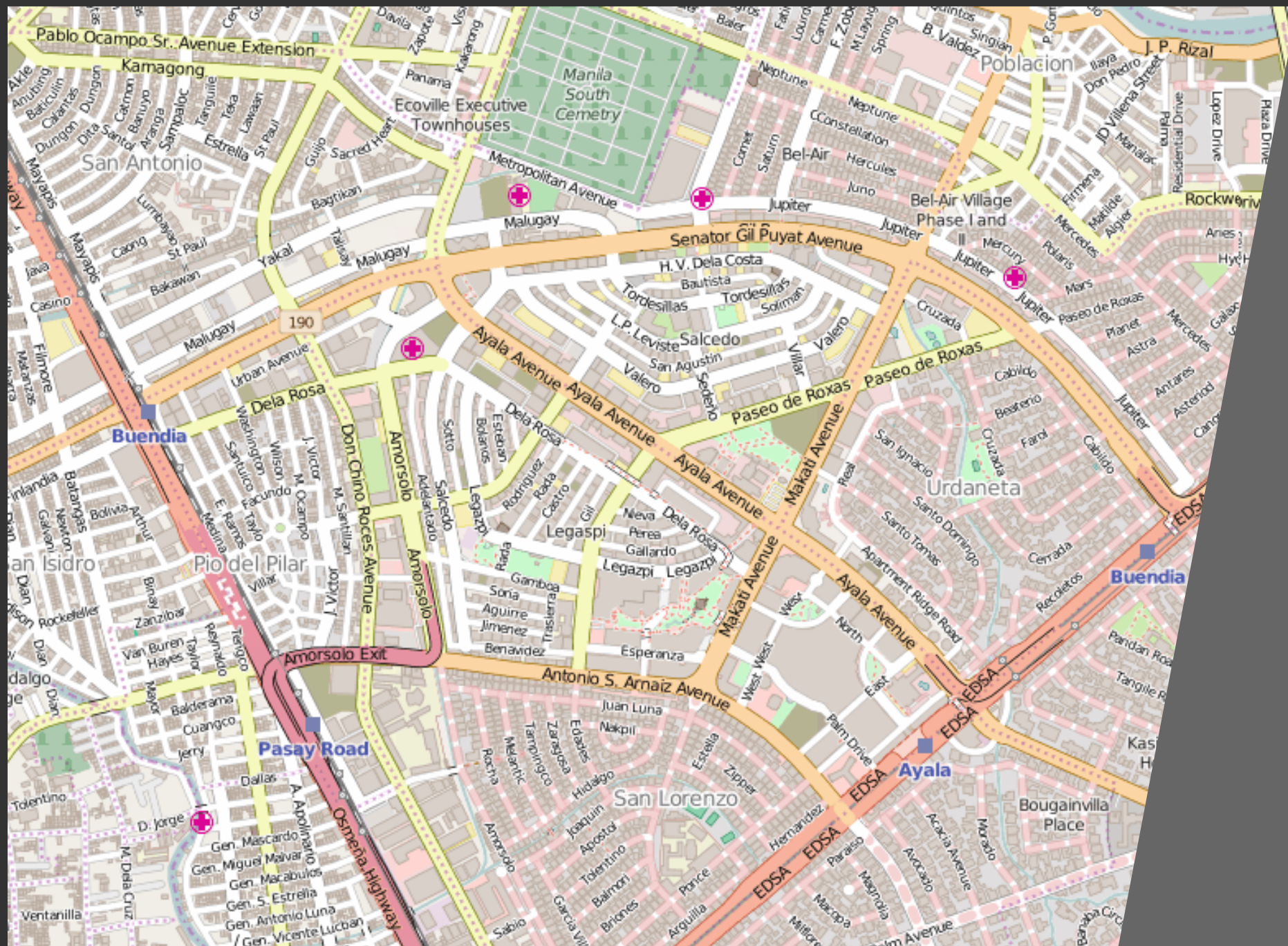
EUGENE ALVIN VILLAR
1 OCTOBER 2016

welcome to the
Philippines!

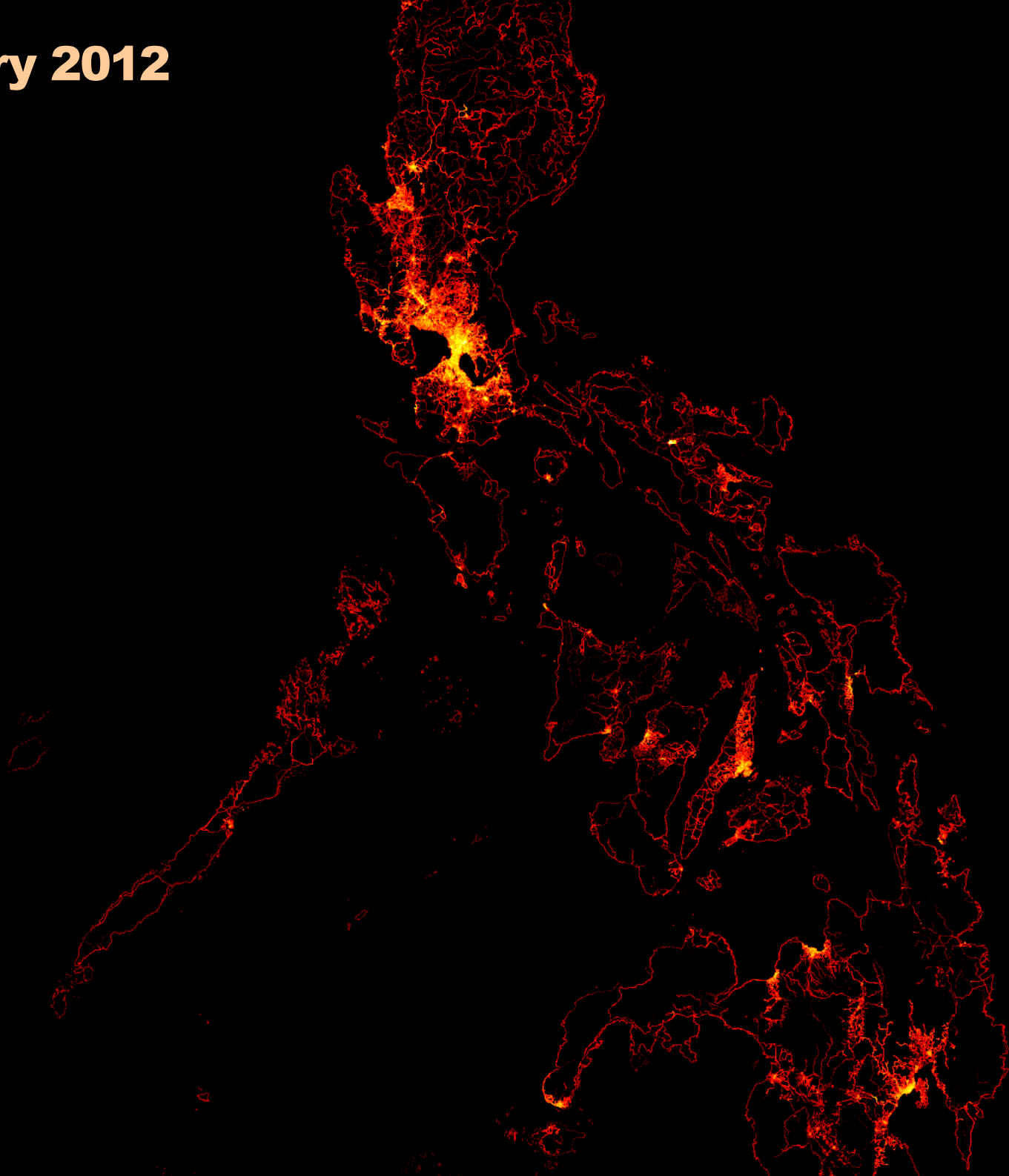
Makati in OSM (2007)



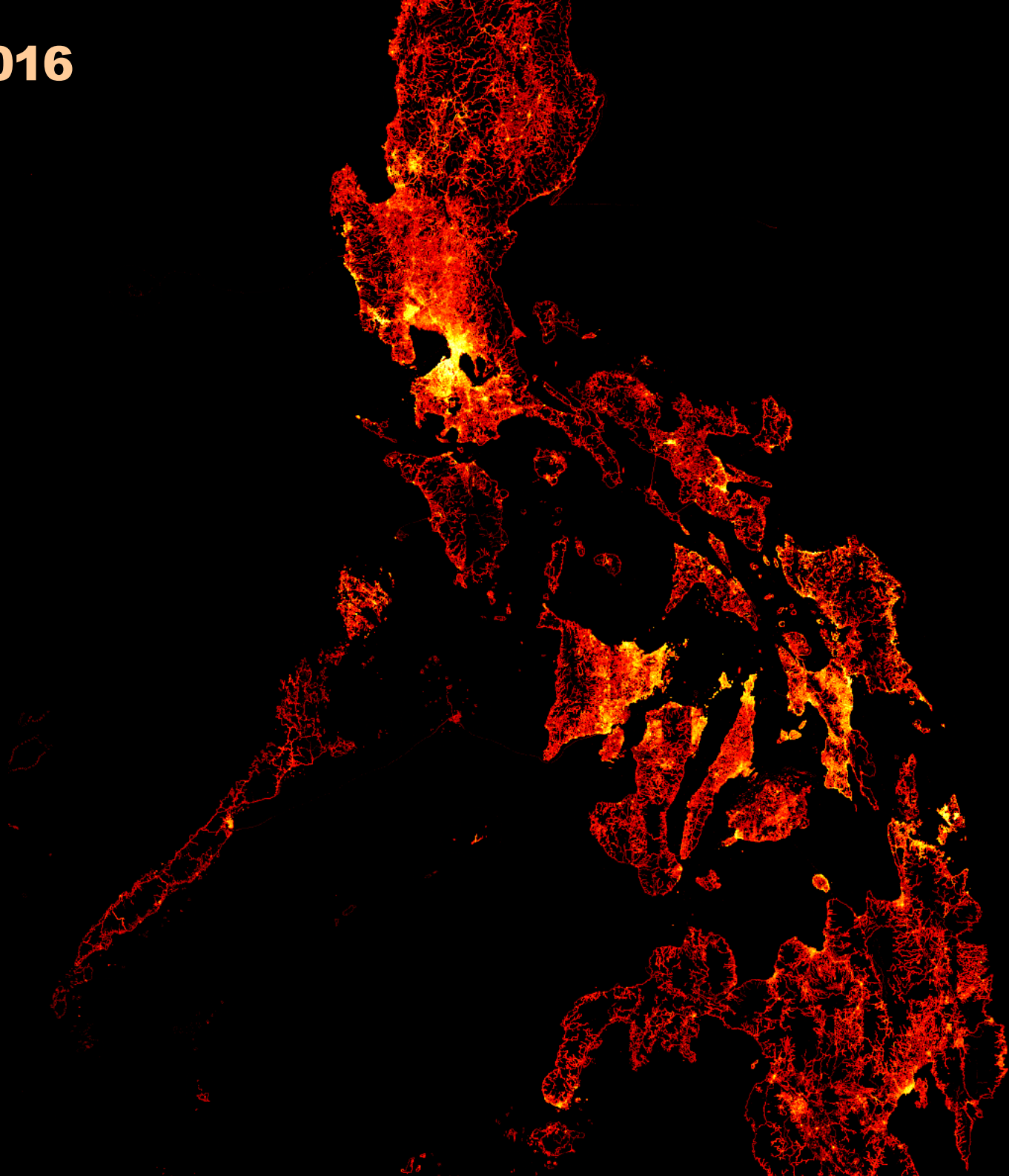
Makati in OSM (2016)



January 2012



July 2016



statistics

40–50 daily mappers

~4.6 GB raw XML data file

21+ million nodes

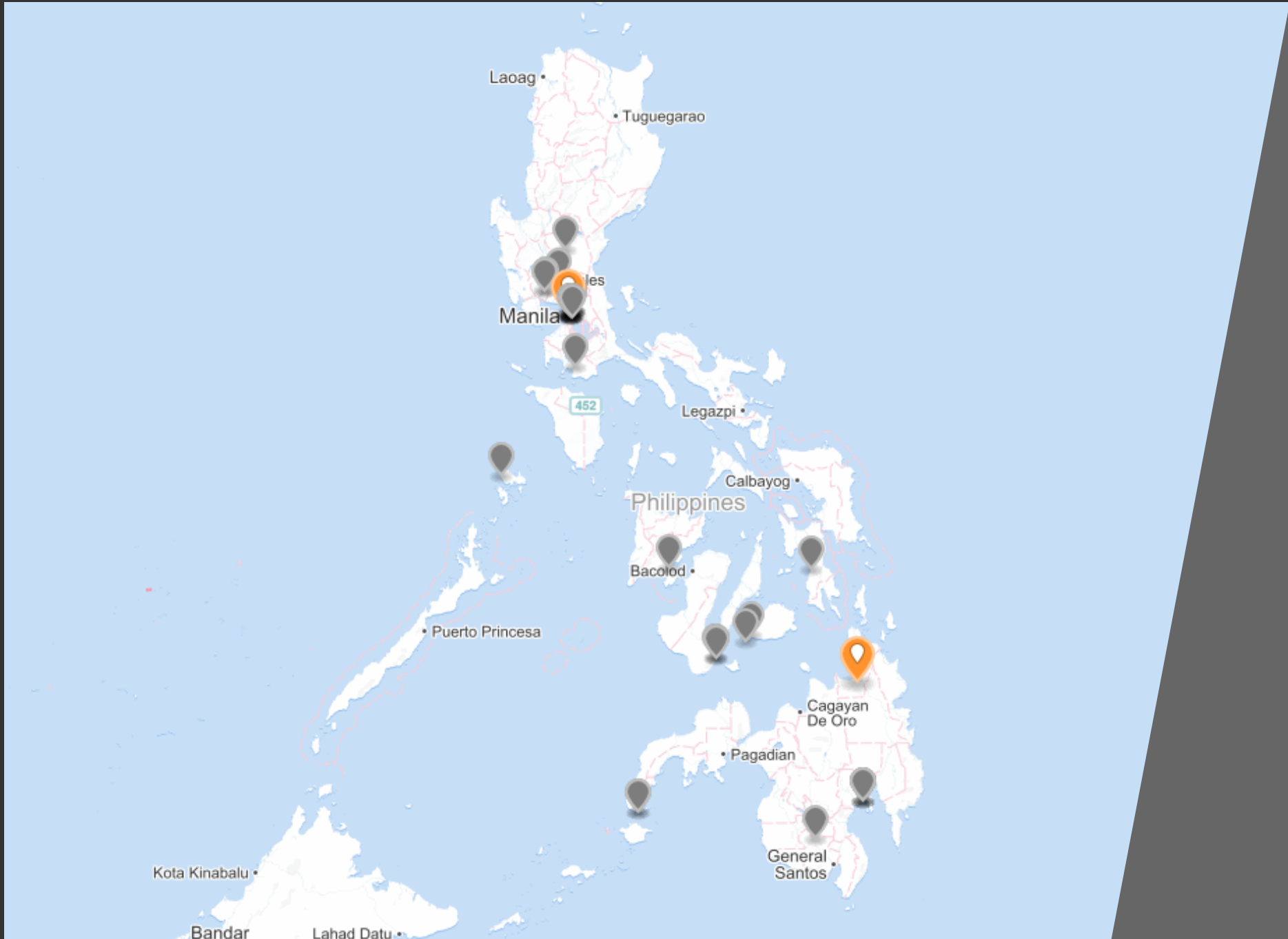
3.4+ million ways

2.7+ million buildings

~220,000 km roads

OpenStreetMap
Philippines loves
events

Location of OSMPH events



mapping parties

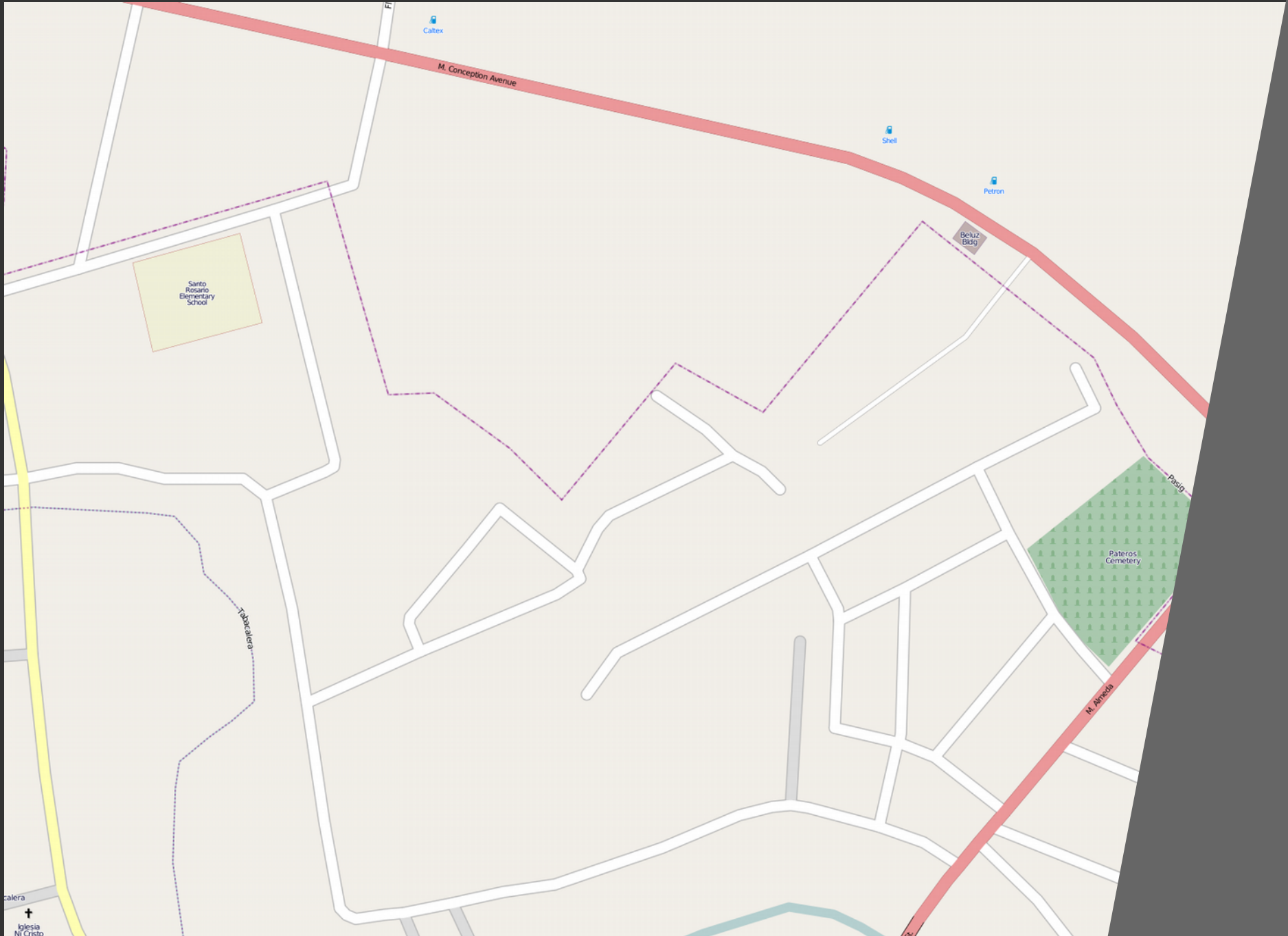
Intramuros Mapping Party (December 2010)



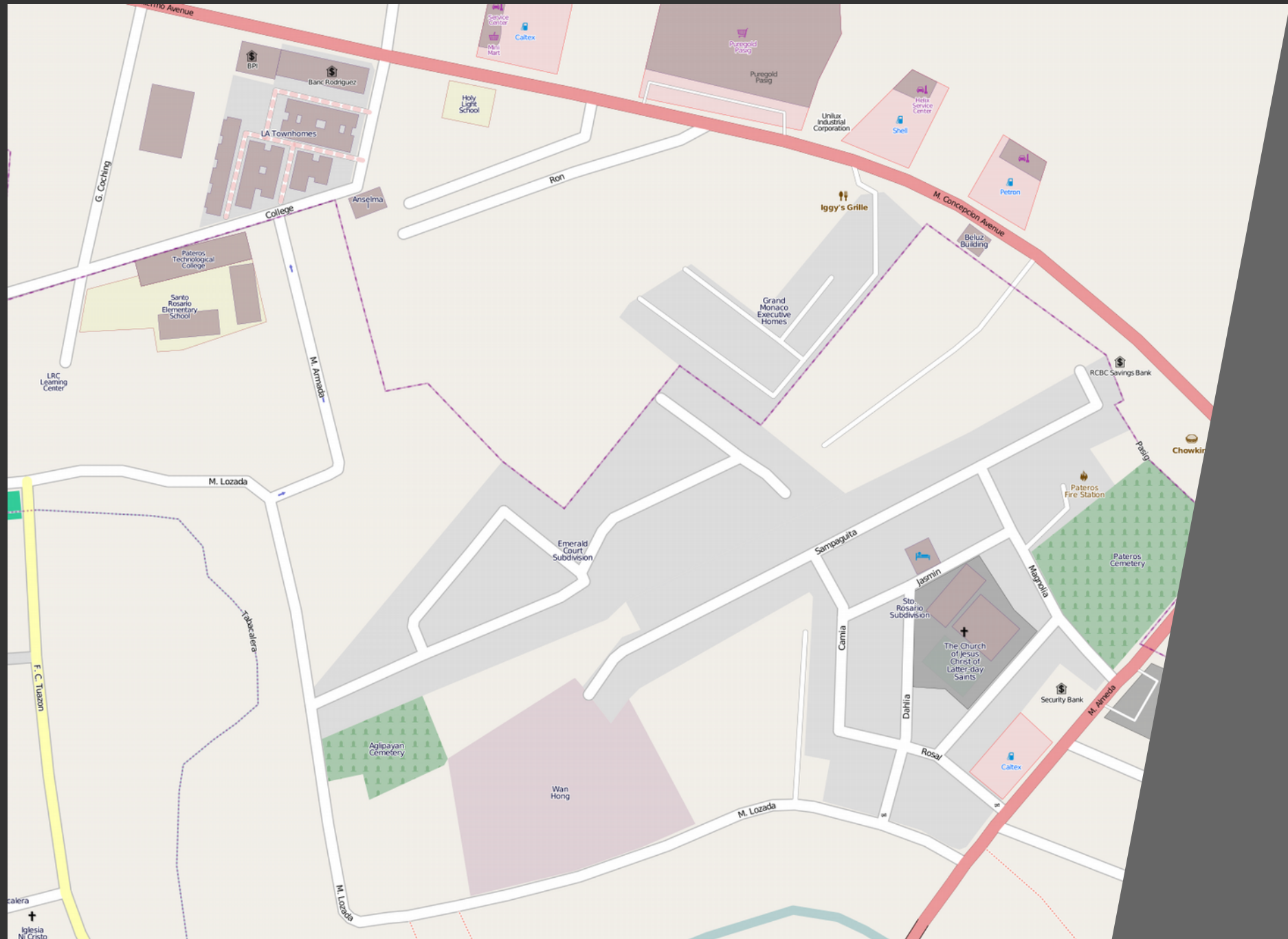
Ortigas-Mandaluyong Mapping Party (May 2010)



Pateros Mapping Party (before)



Pateros Mapping Party (after)



Marikina Mapping Party (March 2010)



**workshops &
mapathons**

FEATI University Workshop (February 2010)



Ateneo de Davao Mini-OSM Workshop (January 2011)



South Cotabato Workshop (July 2012)



Software Freedom Day (September 2012)



New Mobility Mapping Workshop (February 2012)



U.S. Embassy MapGive Mapathon (January 2016)



conferences

PhilGEOS Symposium (November 2012)



The Open Source
Geospatial Foundation

Your Open Source Compass

Web Mapping
Desktop Applications
Geospatial Libraries
Metadata Catalogs

Promoting
Public Geospatial Data
Education & Curriculum
Community

Open Data Day (February 2013)



State of the Map Philippines (December 2013)



Missing Maps Launch (November 2014)



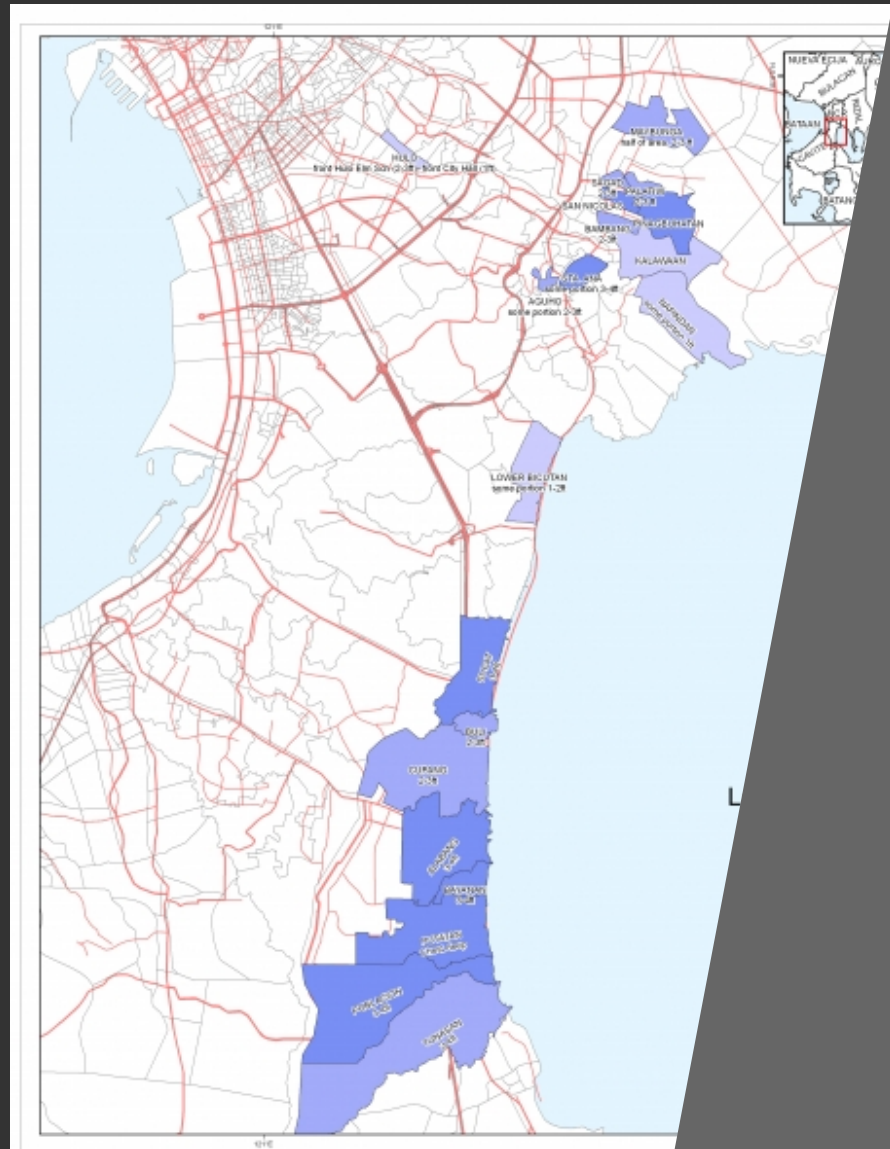
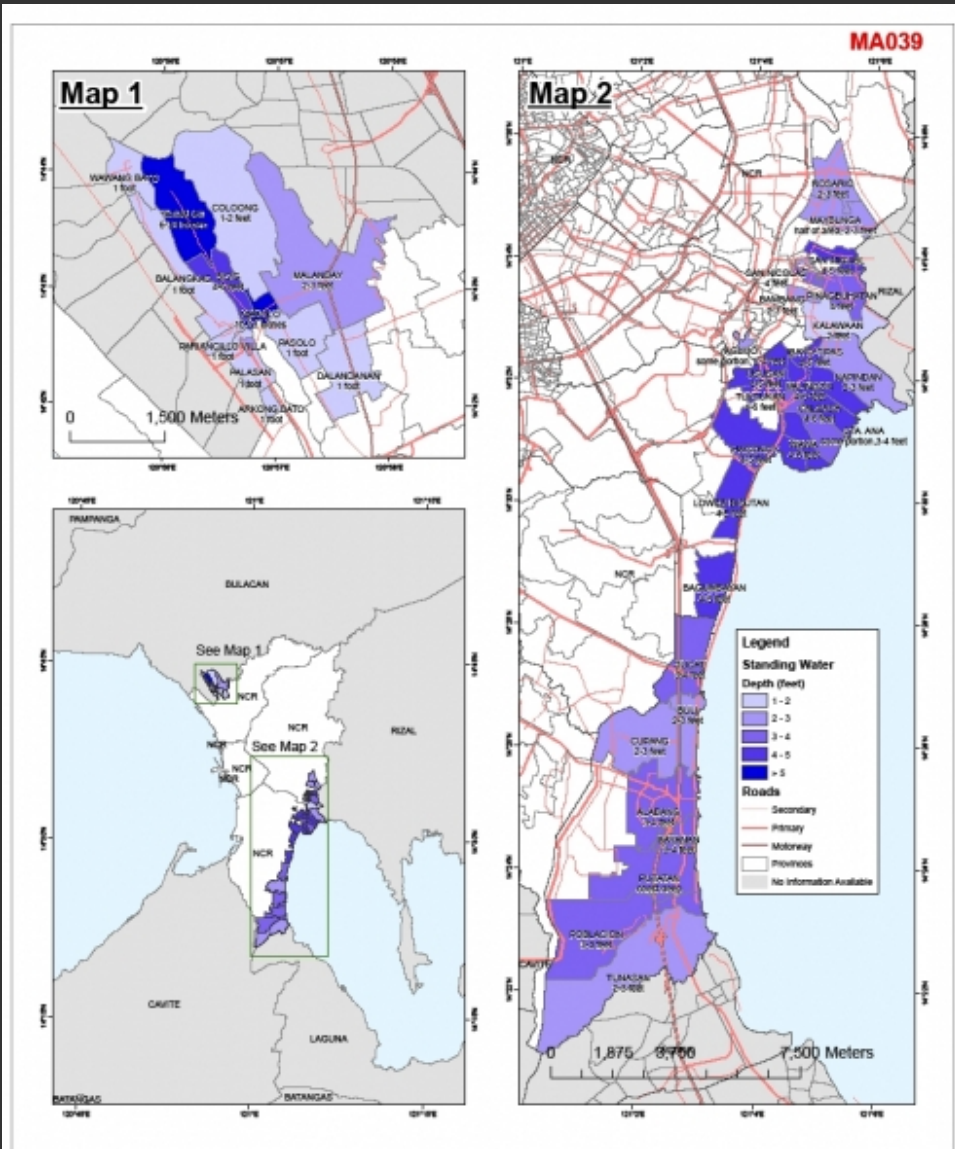
services

Philippine Garmin maps c/o Schadow1 Expeditions



humanitarian
OpenStreetMap in the
Philippines

MapAction: Typhoon Ondoy (2009)



Philippines: Tropical Storm Ondoy Recorded depth of standing water (as of 7 Oct 2009, 17:00)

Note: This map only displays Barangays, within NCR, that are still currently flooded (inundated) and not previously inundated area. The area was assessed by MMDA.

Client: 05 Oct 2009 / 16:30
Map Request: mapaction@mapaction.org
Project Name: 078 040709 Flood 001
Map Requester: info@mmda.gov.ph

Data source:
MMDA supplied the water depth measurements.
Geodata: Municipality and Province boundary data was kindly provided by GeoData (www.geodata.com/geodata) for visualization purposes.
Copyright: www.mapaction.org. This is licensed under the Creative Commons Attribution-ShareAlike 2.0 license.
 The display and use of boundaries, names and associated data shown here do not imply endorsement or acceptance by MapAction or the United Nations.

Philippines: Tropical Storm Ondoy - Recorded depth of standing water (as of 04 Oct 2009, 17:00)

Map shows the depth of standing water in Barangays around NCR as at 04 Oct 2009, 17:00 assessed by MMDA. Note that this does not show all of the Barangays that have been flooded since the TS Ondoy as past.

Standing water

depth in feet

- 1-2
- 2-3
- 3-4

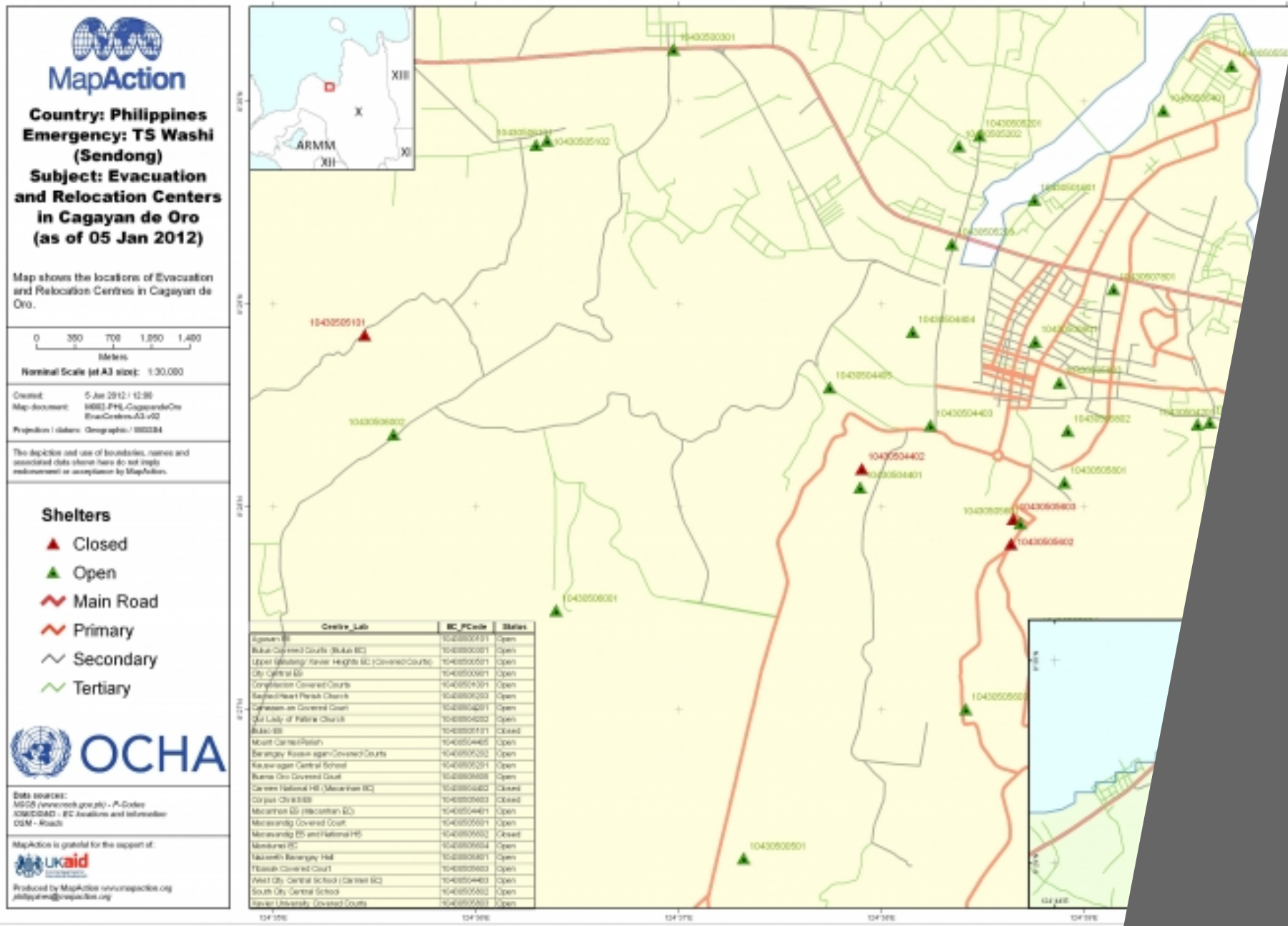
Roads

- Secondary
- Primary
- Motorway

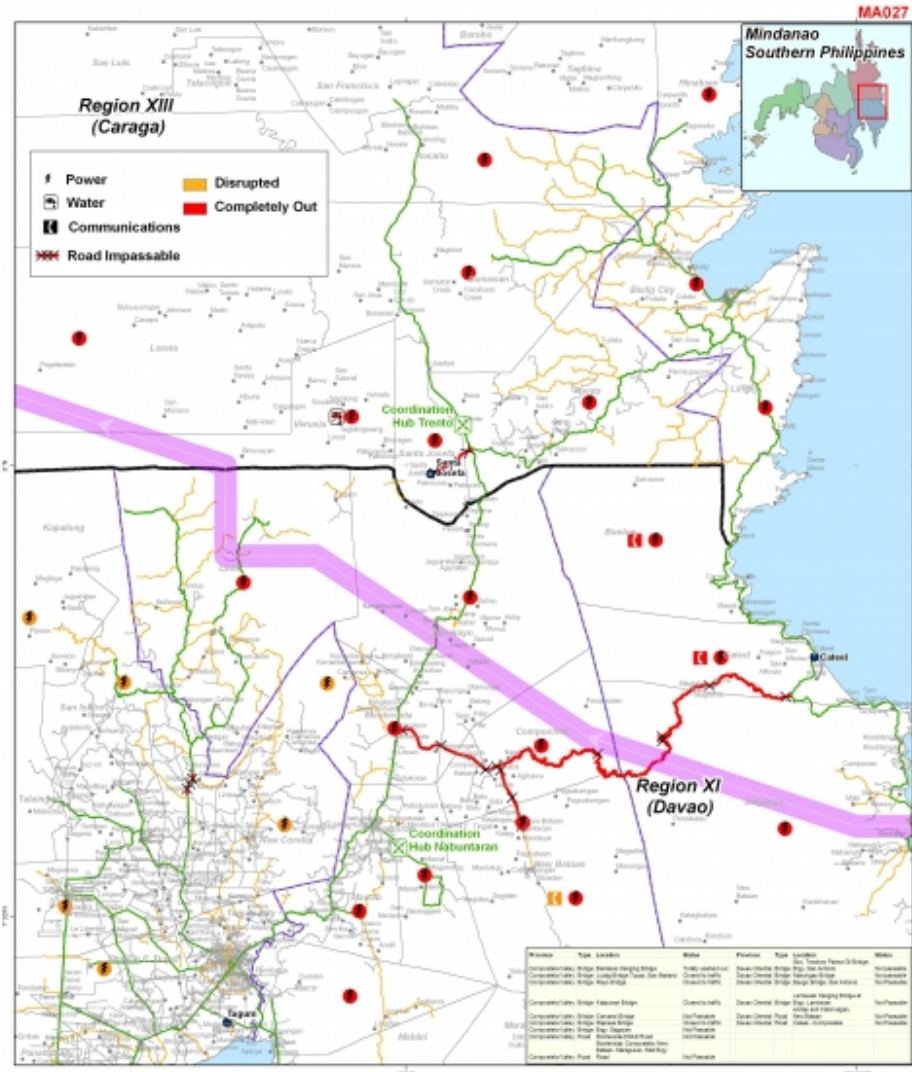
Scale

0 1,875 3,750 7,500 Meters

MapAction: Typhoon Sendong (2011)



MapAction: Typhoon Pablo (2012)



MapAction
OCHA
Philippines
Typhoon Bopha (Pablo) - Status of Lifelines (as of 14 Dec 2012)

Map shows disruption to Power, Water and Communications by Municipality and restricted road access in Affected Area. Based on NDRRMC "SR Rep 27 Re effects of Typhoon Pablo (Bopha)", 14th December 2012 (7 am). (Map 2 of 2)

Data sources:
Shaded Relief: NDRRMC (SR Rep 27), PAGASA
Boundaries: GADM
Settlements: OCHA
Roads: OSM

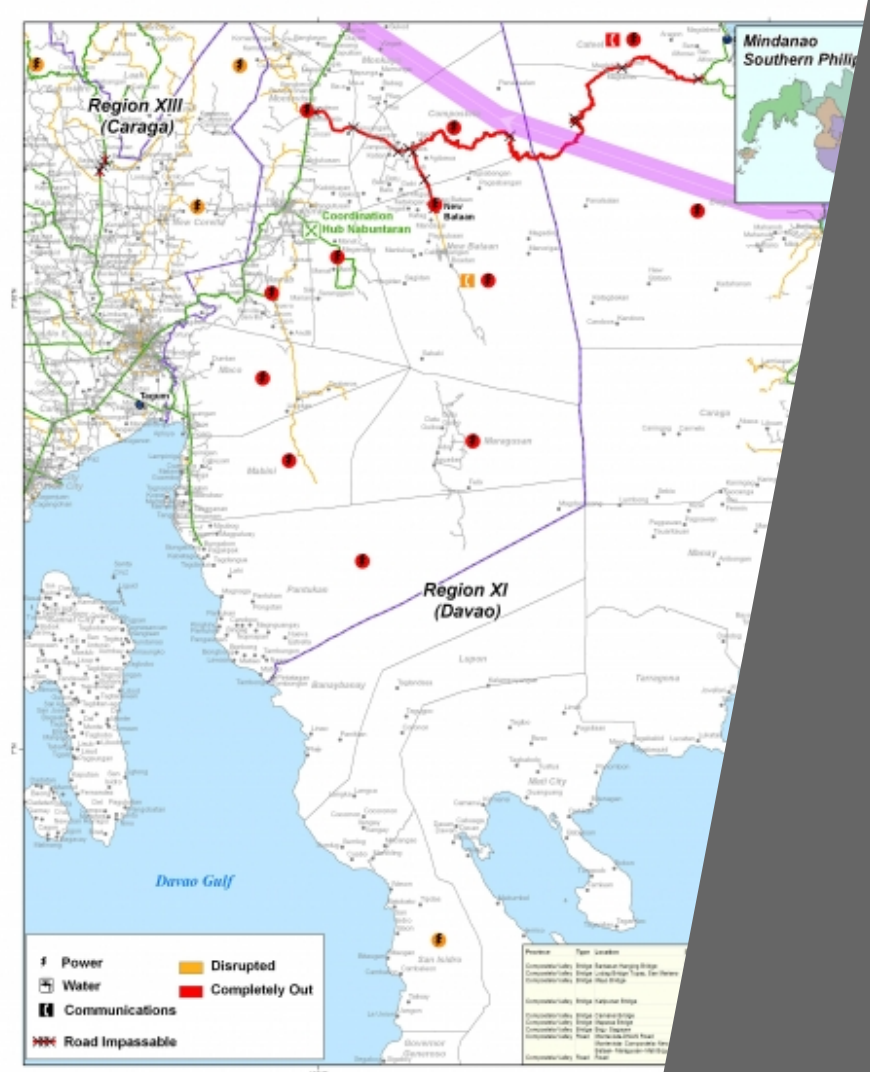
- Storm Track
- All other Roads
- Main or Primary Road
- Secondary Road
- Tertiary Road
- Cities/Towns
- Region
- Province

Scale: 0 3 6 9 12 15 Kilometers
Scale: 0 400 800 (in A3 size)

Created: 15 Dec 2012 / 12:00
Map Element: MA027_Lifelines4b
Projection: datum UTM Zone 51N / WGS84
EPSG Number: TC:2012-009107.PNL

The depiction and use of boundaries, names and associated data shown here do not imply endorsement or acceptance by MapAction.

Produced by MapAction
www.mapaction.org
philippines@mapaction.org



MapAction
OCHA
Philippines
Typhoon Bopha (Pablo) - Status of Lifelines (as of 14 Dec 2012)

Map shows disruption to Power, Water and Communications by Municipality and restricted road access in Affected Area. Based on NDRRMC "SR Rep 27 Re effects of Typhoon Pablo (Bopha)", 14th December 2012 (7 am). (Map 1 of 2)

Data sources:
Shaded Relief: NDRRMC (SR Rep 27), PAGASA
Boundaries: GADM
Settlements: OCHA
Roads: OSM

- Storm Track
- All other Roads
- Main or Primary Road
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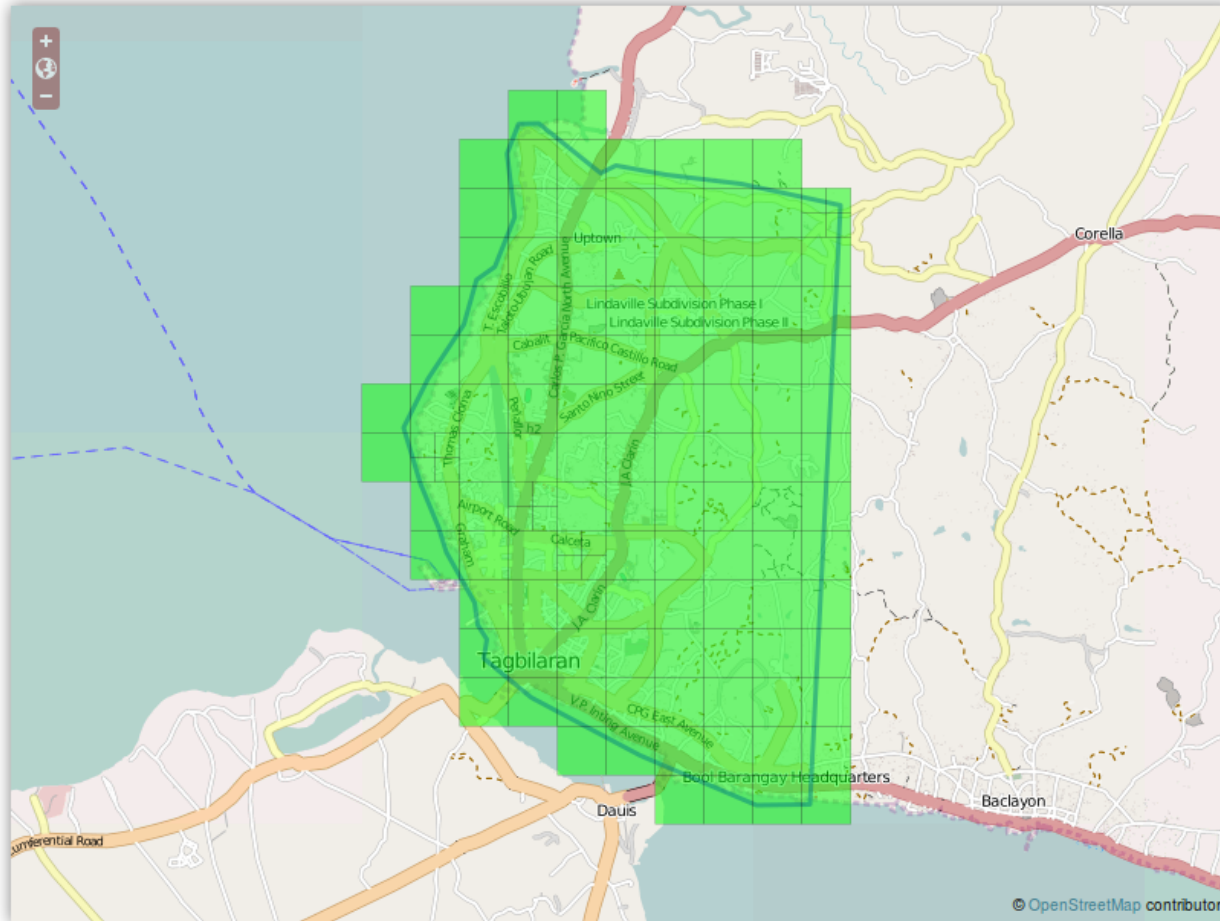
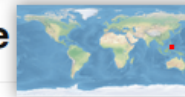
Produced by MapAction
www.mapaction.org
philippines@mapaction.org

2013 Bohol earthquake

OSM Tasking Manager

You are seav

Earthquake on Oct 16, 2013 hit areas of Tagbilaran city, Bohol province



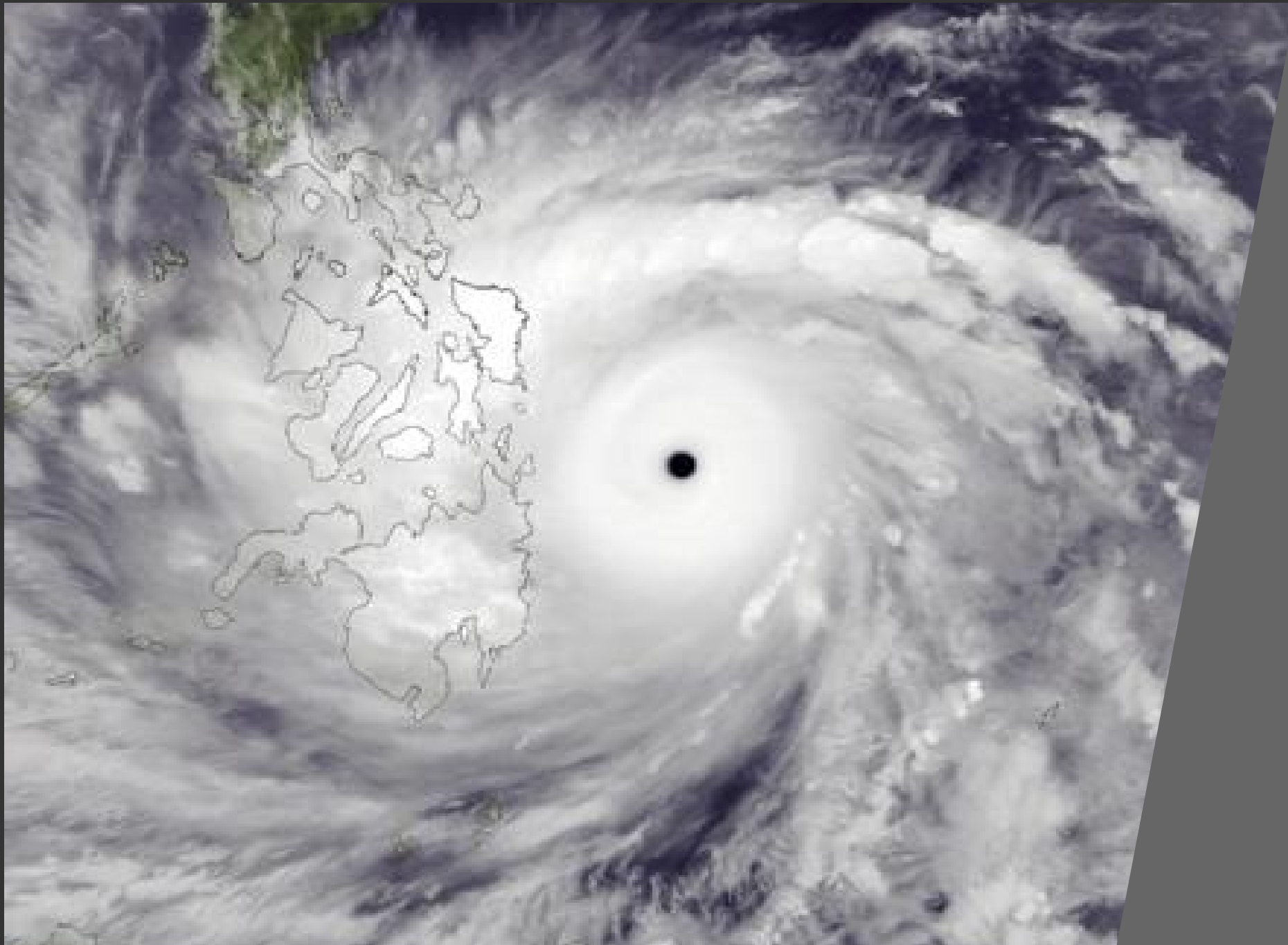
feedback

■ Total (127) ■ Done (127) ■ Validated (127) ■ Curr. worked on (0)

Designed and built for the [Humanitarian OpenStreetMap Team](#) with initial sponsorship from the Australia-Indonesia Facility for Disaster Reduction. See the [about](#) page for complete information.

Fork the code on [github](#).

Typhoon Yolanda (2013)



Typhoon Yolanda (2013)

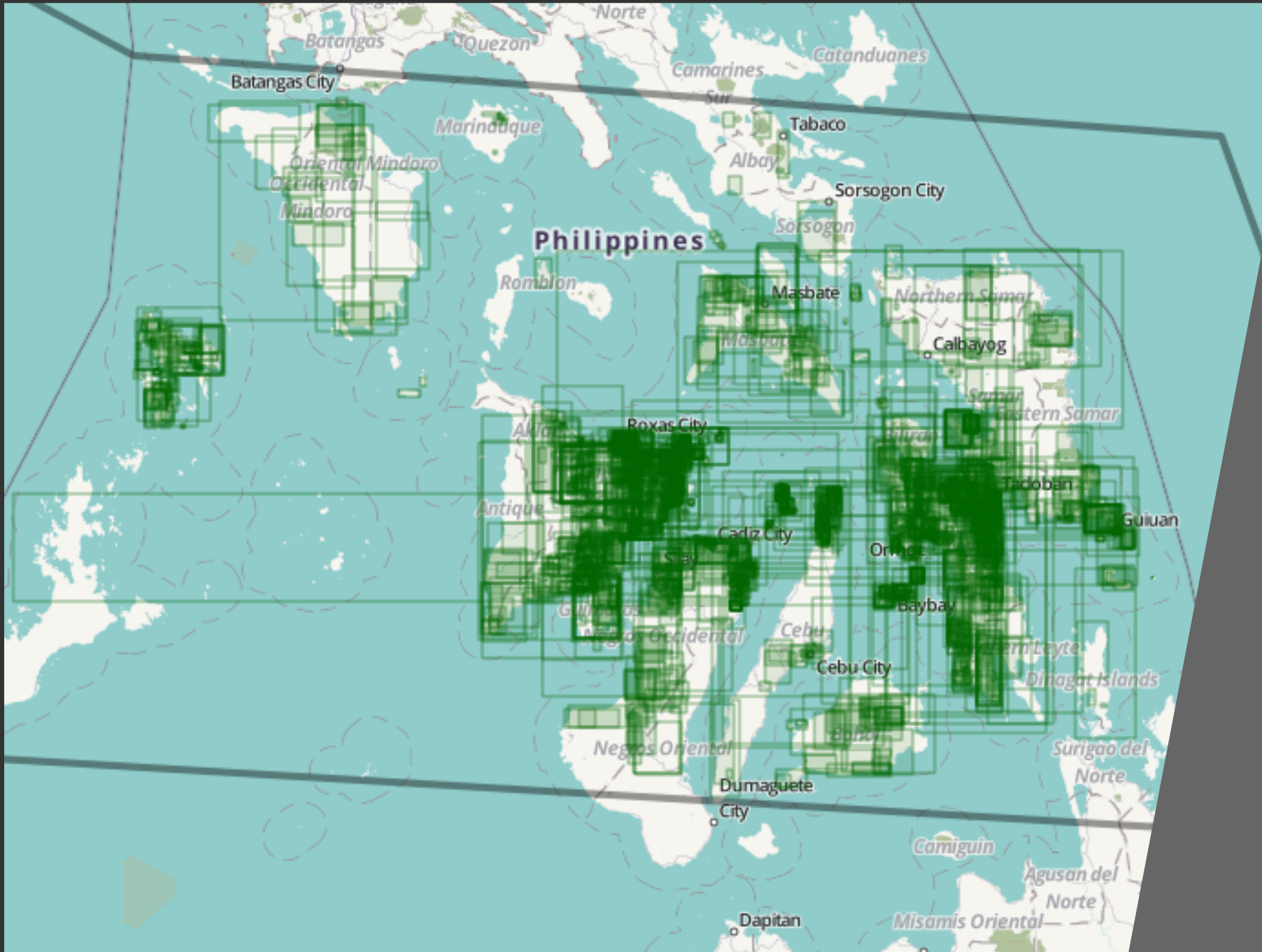


Yolanda statistics

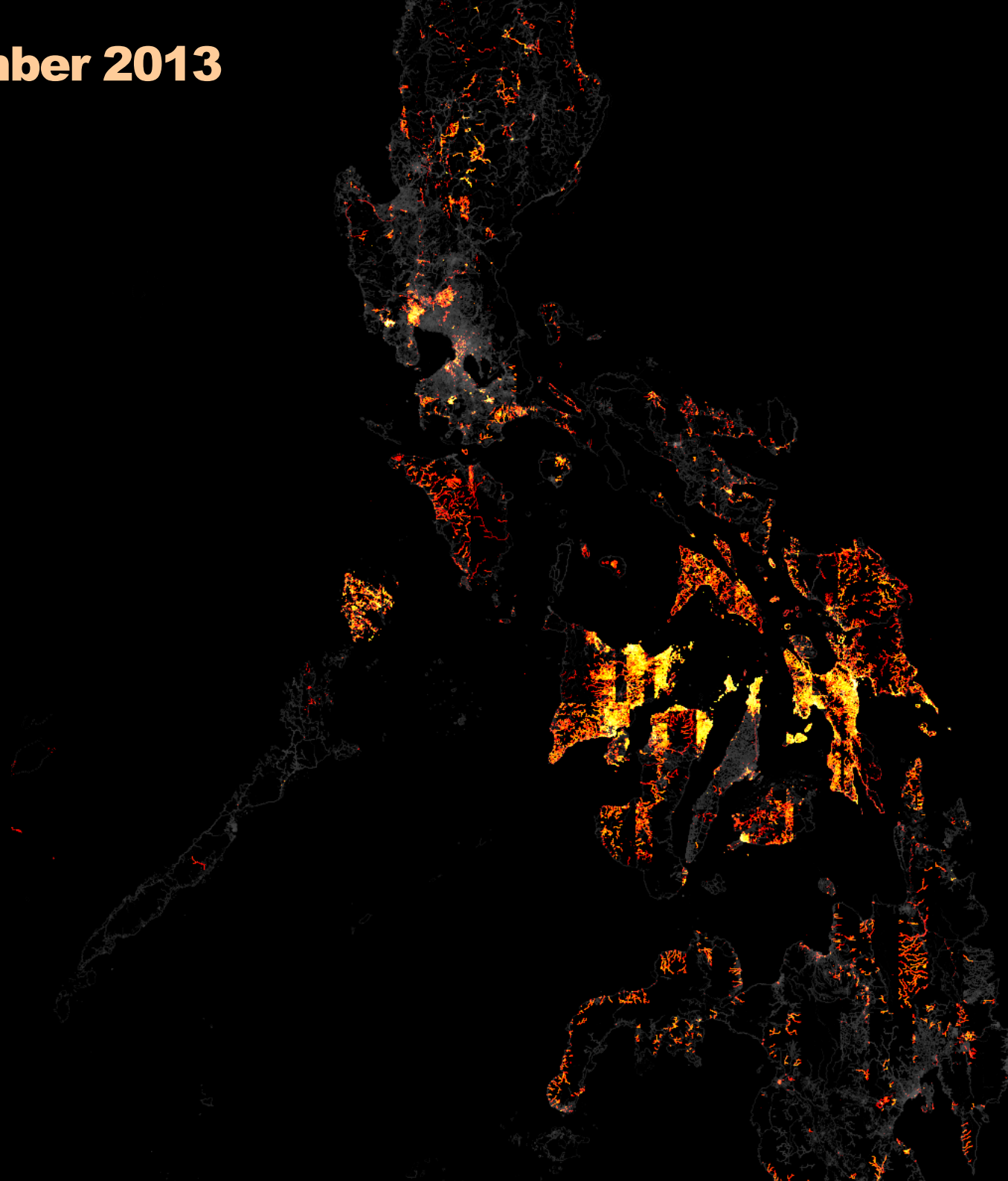
1,600 mappers

~4.8 million map changes

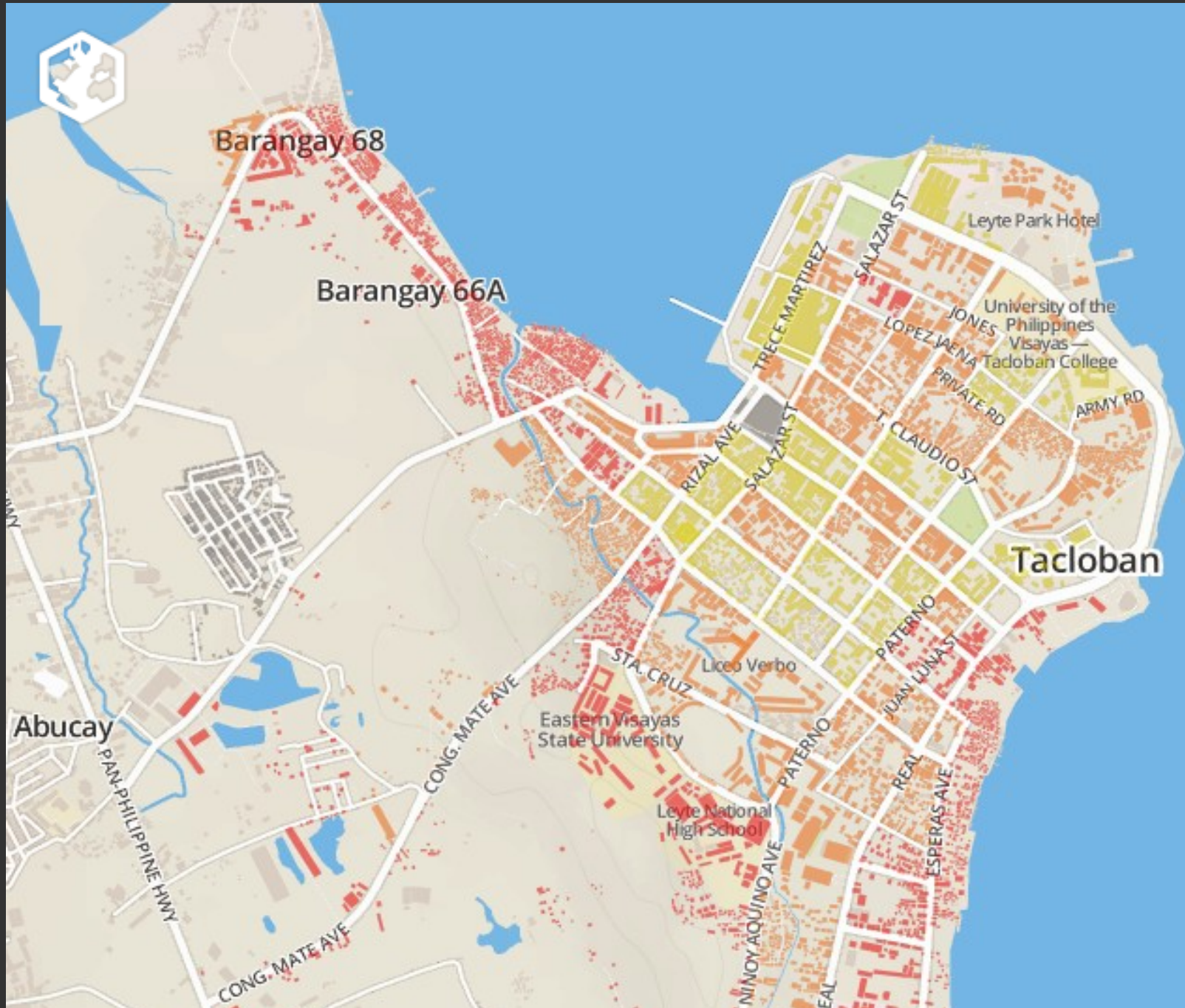
Typhoon Yolanda: Mapping Activity



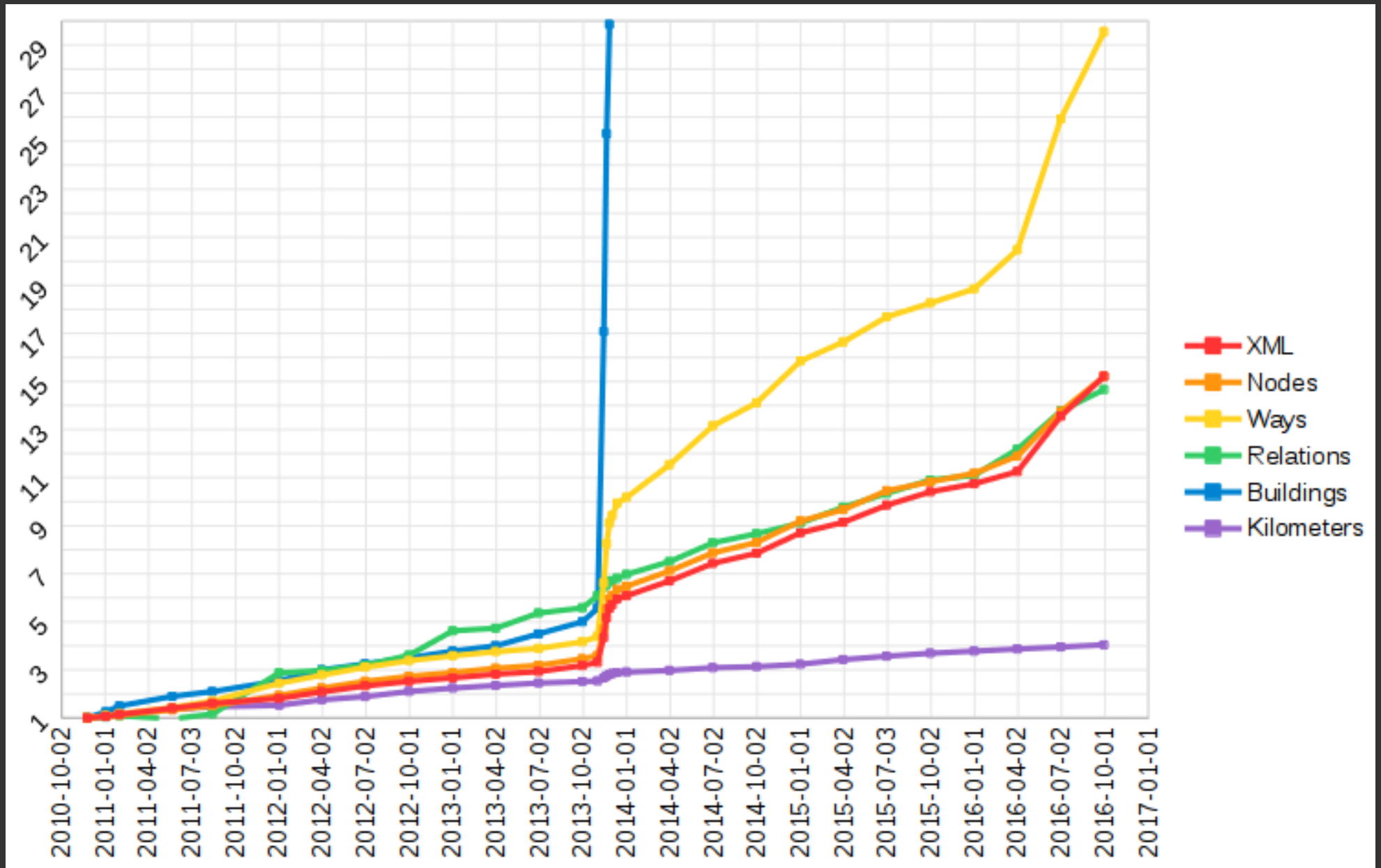
November 2013



Typhoon Yolanda: Tacloban in OSM



Typhoon Yolanda: Data growth spike



Typhoon Yolanda: IOM: OSM map of Guian



Typhoon Yolanda: IOM: OSM map of Ormoc



Typhoon Ruby (2014)

OSM Changesets of the last 7 Days filtered by #ruby

Search for a specific Comment:

(min. 3 and max. 16 characters)

Information for #ruby

Number of OSM Contributors: 145

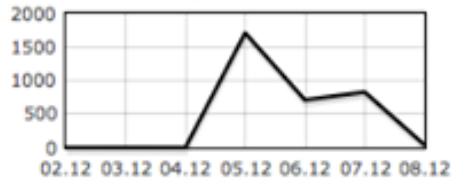
Number of Map Changes: 256,665

Total number of Changesets: 3,289

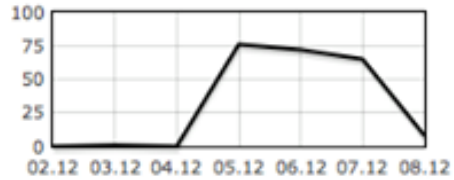
(Display Limit is 4,000 Changesets)

hide large Changesets

Number of Changesets



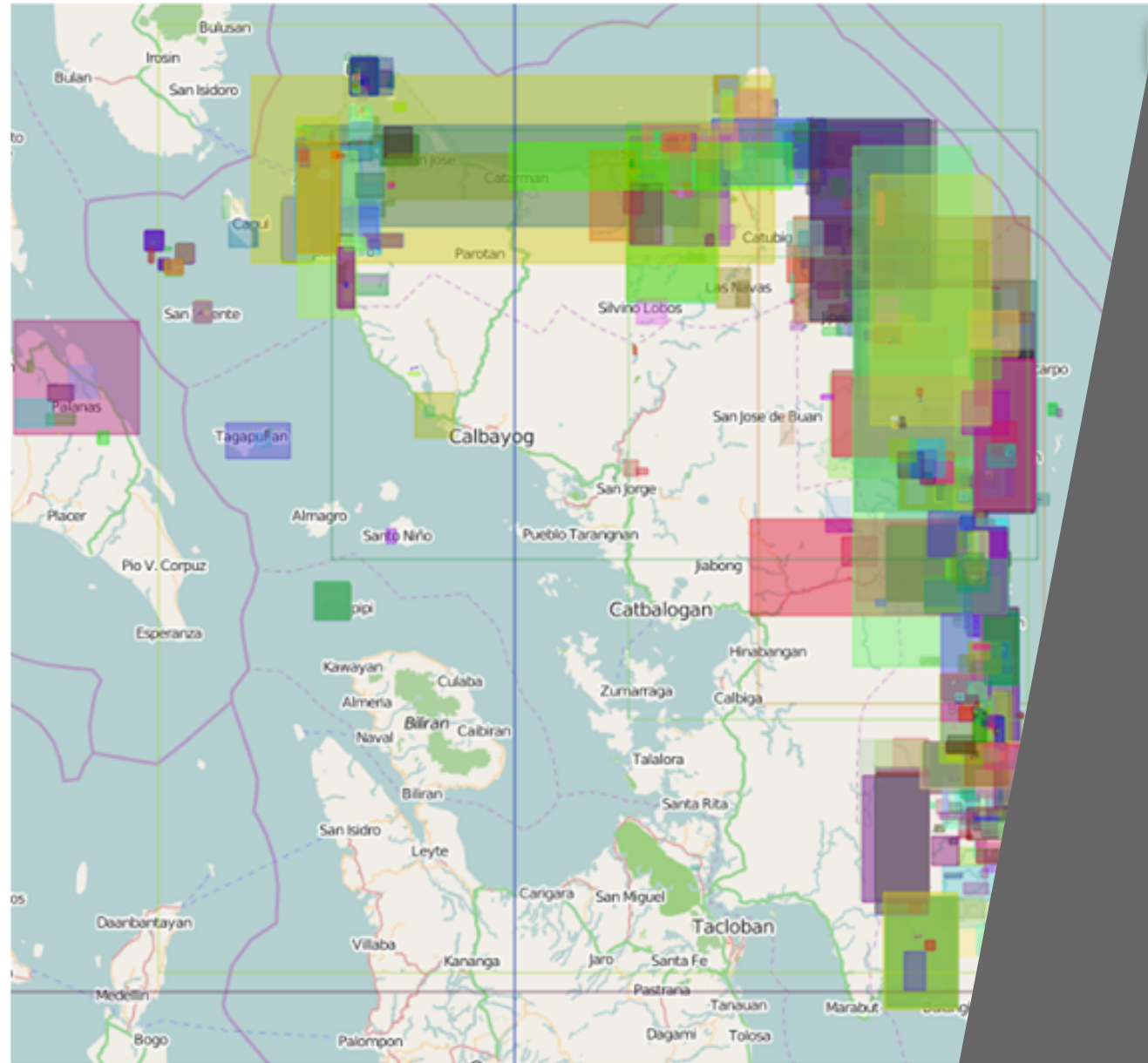
Number of Contributors



TOP 5 Countries (Map Changes)

1. 🇵🇭 (254,084)

2. 🇹🇼 (2,581)

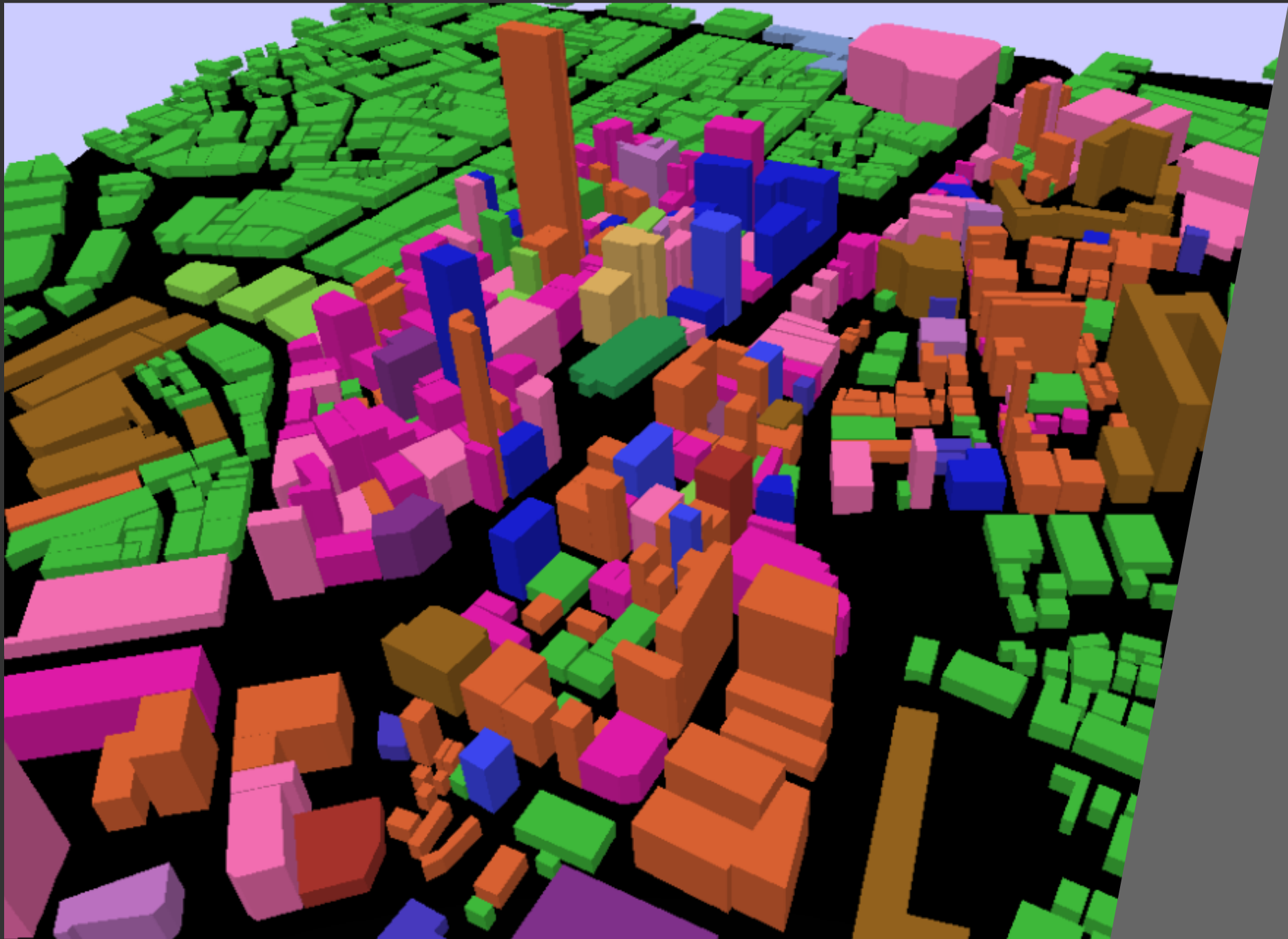


Oh U Want More? See [ResultMaps](#)-Overview

Latest Changeset timestamp

**humanitarian
OSM training in the
Philippines**

Quiapo Parish: Disaster Risk Reduction Project (2012)



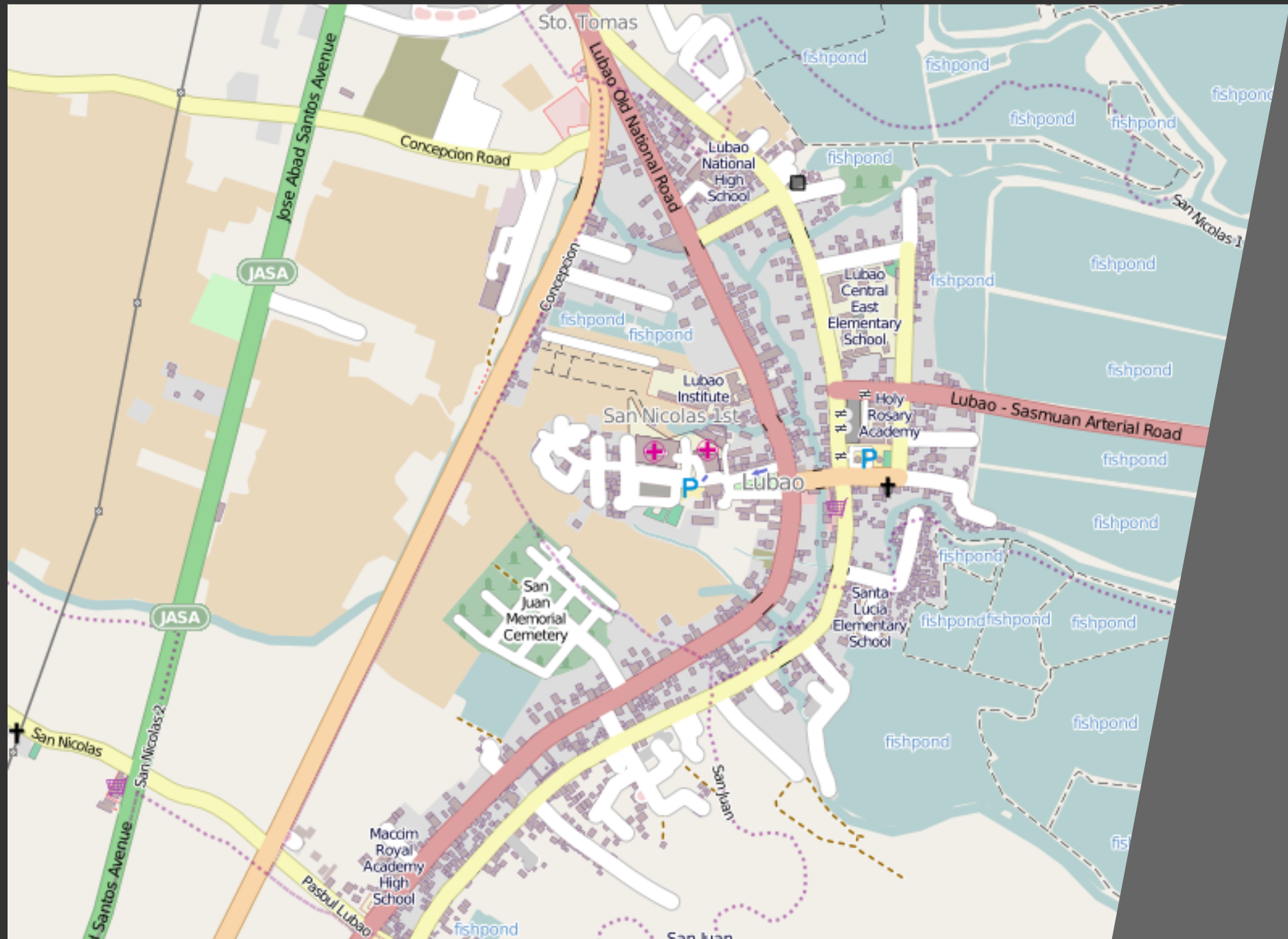
Pampanga Disaster Risk Reduction Project (2013)



Pampanga Disaster Risk Reduction Project (2013)



Pampanga Disaster Risk Reduction Project (2013)



Batangas DRR Training (March 2015)



Busuanga DRR Training (April 2015)



ADB-OSM Padre Burgos Mapping (September 2016)



LGUs trained:

Candaba, Pampanga

Lubao, Pampanga

Guagua, Pampanga

Malvar, Batangas

Tanauan, Batangas

Busuanga, Palawan

Coron, Palawan

Javier, Leyte

Baybay, Leyte

Bogo, Cebu

Padre Burgos, Quezon

DOST – Project NOAH: Cavite Building Mapping

OSM MAPPING PROGRESS

CAVITE BUILDING FOOTPRINT MAPPING
HAS BEEN COMPLETED!



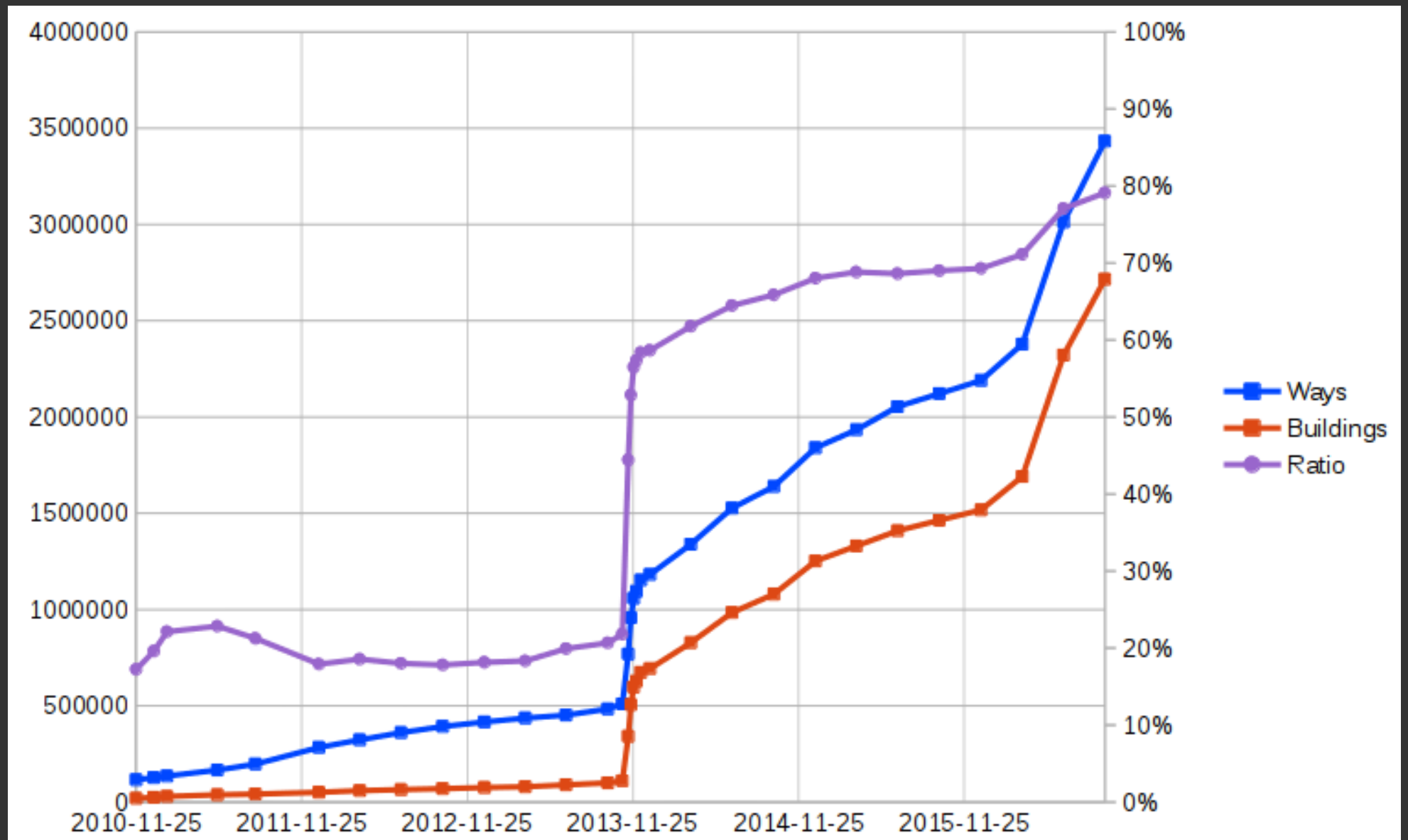
BEFORE - MARCH 14

BACKGROUND IMAGERY BY BING



Nationwide Operational
Assessment of Hazards

Building Mapping Statistics in the Philippines



DOST – Project NOAH: WebSAFE







The screenshot displays the WebSAFE web application interface. At the top, the title "DOST - Nationwide Operational Assessment of Hazards" is visible. The main content area is titled "WebSAFE" and contains a "Question" section with the following parameters:

- In the event of:** City of Manila
- How Many:** City of Manila
- Will:** Be Flooded

Buttons for "Show Report" and "Reset" are present. Below the question section, a description states: "WebSAFE, an impact assessment tool based on InaSAFE, is a joint effort of Project NOAH and The World Bank."

The "Show Report" button has triggered a modal window with the following data:

In the event of *inundation_100year_raster-metromanila_manila_inundation_100year_tmp* how many *popn_raster-metromanila_manila_popnraster_tmp* might need evacuation

Needs Evacuation:	Needs per Week:
 1,157,000* People in 1.0 m of water <small>*Number is rounded of to the nearest 1000</small>	 3,239,600 Rice [kg]
1,606,000 Total Population	 20,247,500 Drinking Water [l]
	 121,485,000 Clean Water [l]
Action Checklist	 231,400 Family Kits
<input type="checkbox"/> How will warnings be disseminated?	 57,850 Toilets
<input type="checkbox"/> How will we reach stranded people?	
<input type="checkbox"/> Do we have enough relief items?	
<input type="checkbox"/> If yes, where are they located and how will we distribute them?	
<input type="checkbox"/> If no, where can we obtain additional relief items from and how will we	

Rainfall Data as of 11/25/14 07:55 PM: Capiz, Panit-An Bridge: 3.4 mm/hour

thank you!

