

The State of Fukushima ikiya



Japan 日本

I'm ikiya.

I'm living in Fukushima.

I'm mapping Fukushima and East Japan.

Fukushima

Tokyo



A detailed map of the Fukushima area in Japan, showing various cities, towns, and villages. The map is color-coded with green for land and blue for water. Major cities like Fukushima, Maebashi, and Tokyo are visible. The text "About 2,000,000 people live in The Fukushima area." is overlaid on the map in a large, bold, black font.

**About 2,000,000 people
live in The Fukushima area.**

This is Fukushima City.



Fukushima City is the prefectural capital.
290,000 peoples live in Fukushima City.

These are my GPS Logs in the Fukushima area.

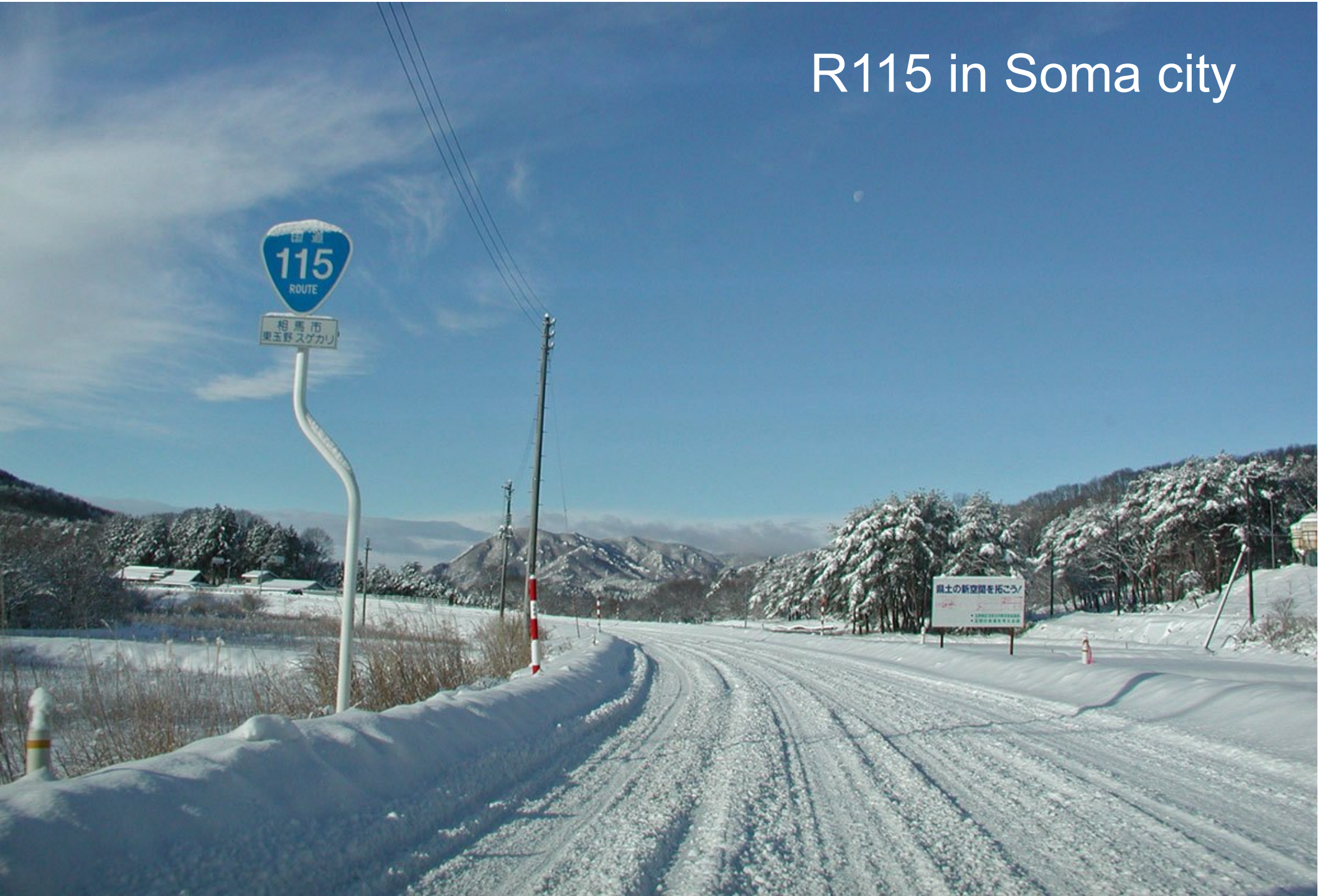


We map towns in Fukushima.



We map highways in Fukushima.

R115 in Soma city



I've mapped Fukushima coastlines.

Haragama Harbor



Tsuruga Castle

in Aizu Wakamatsu City, Fukushima

This is Tsuruga Castle.
I mapped this Castle.



I walked and walked in the Castle grounds.



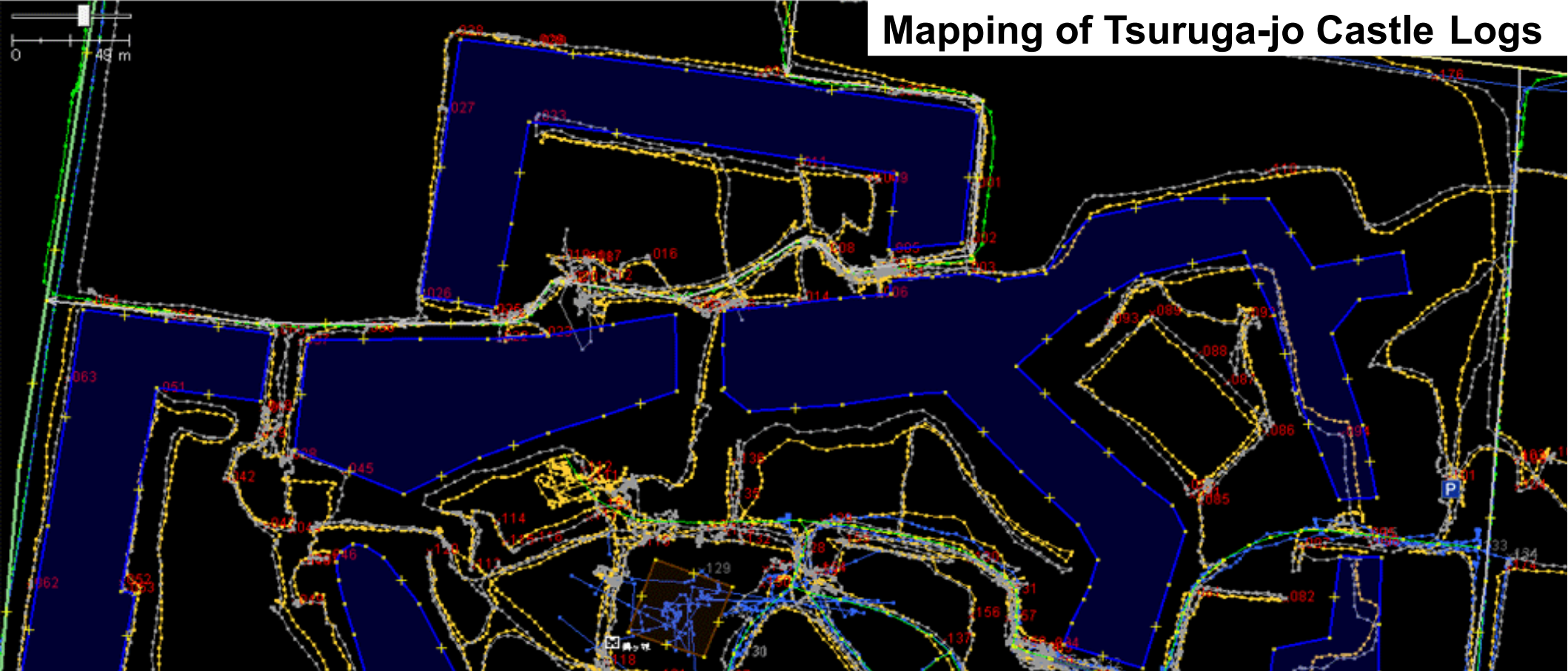


Let's go map!



Sometime I entered dangerous zone.

Mapping of Tsuruga-jo Castle Logs



The outer perimeter of **Tsuruga Castle** is about **2.5km**.
I wanted to map it in detail.
So, I walked about **23km**.
around the outer regions of the castle on this day.

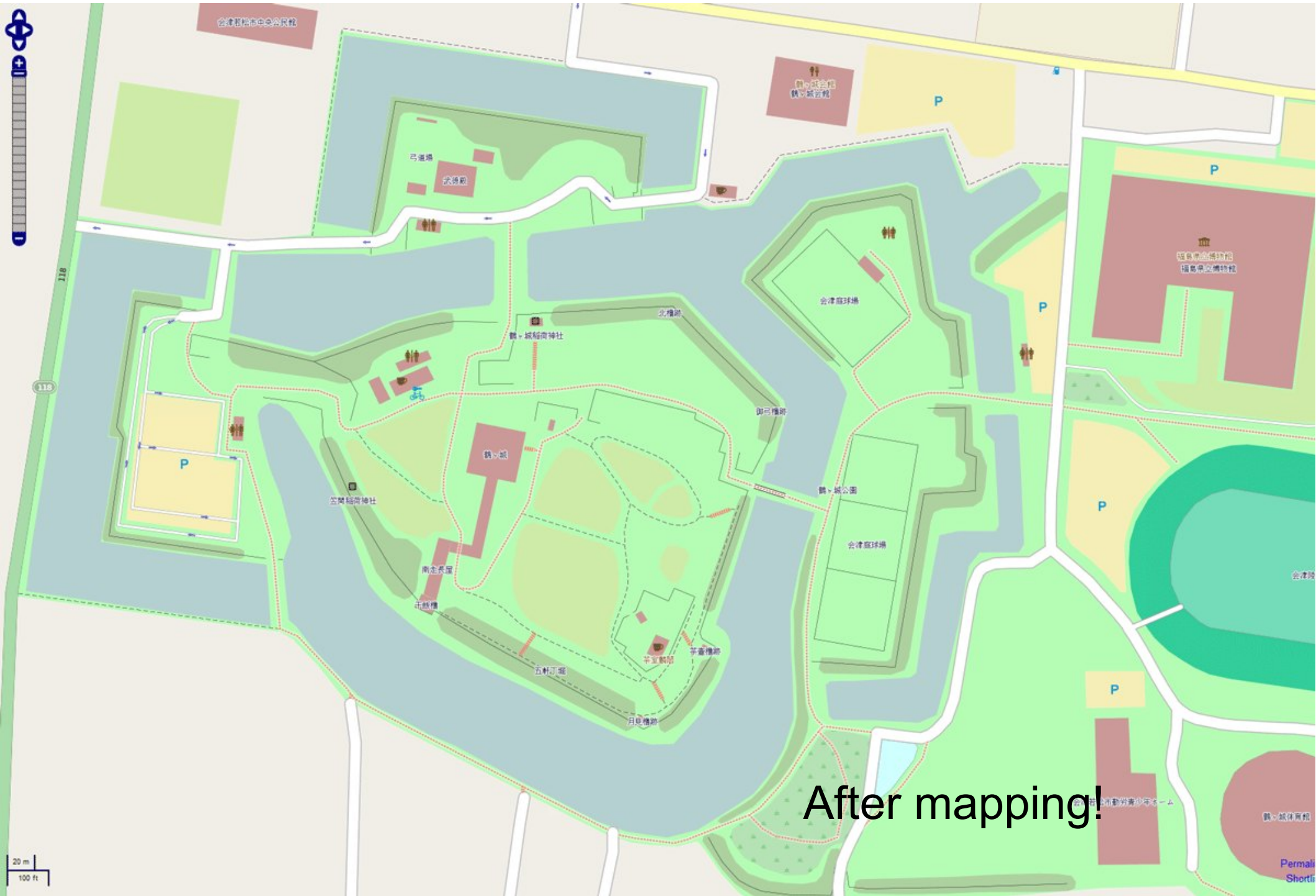
Before

Mapping of Tsuruga-jo Castle



After

Mapping of Tsuruga-jo Castle



Best of OpenStreetMap (bestofosm.org)

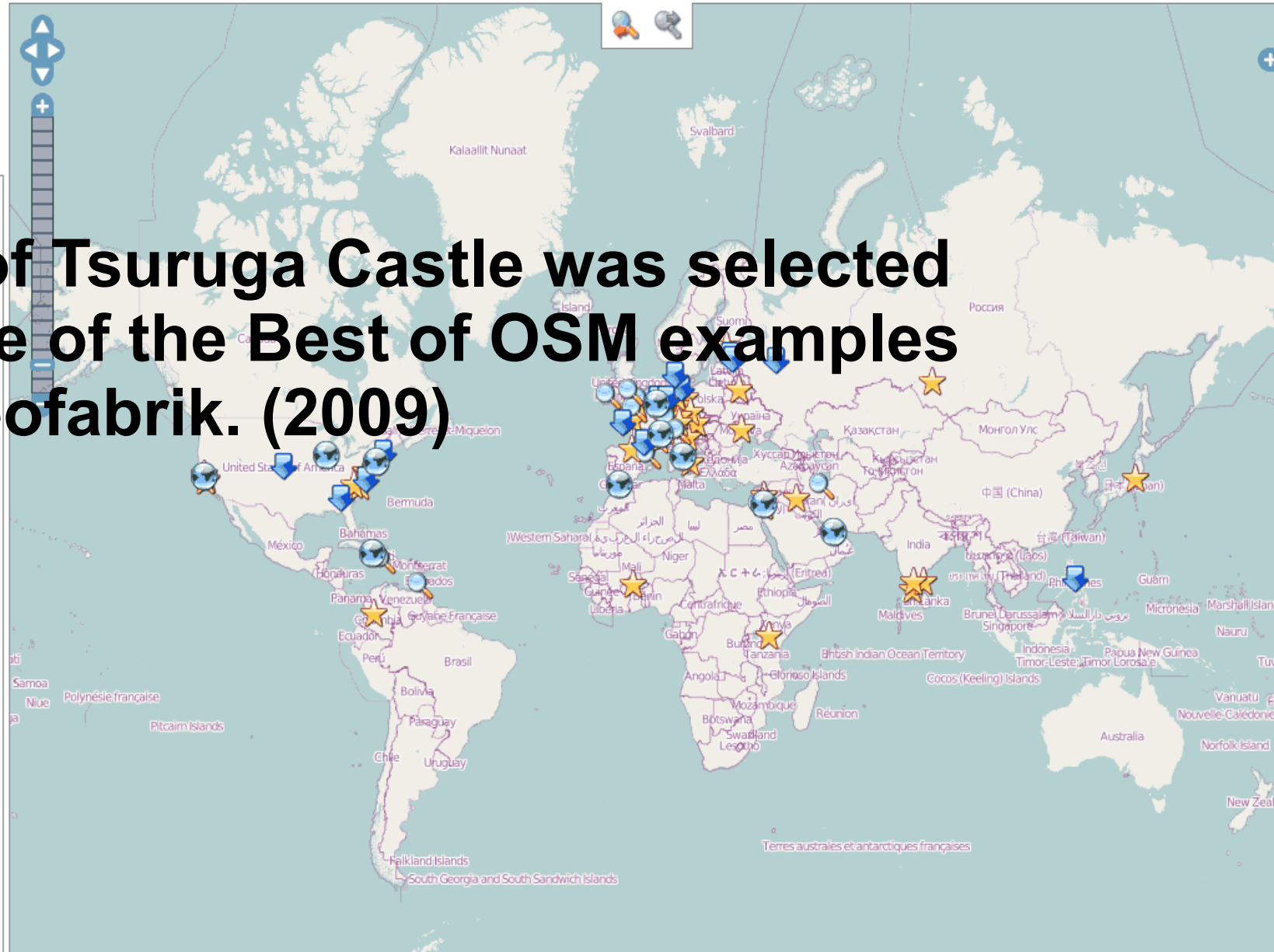
Best of OpenStreetMap

Examples of excellent mapping and other interesting places in OpenStreetMap.

Click on  below to choose a different base map

- ☒  Best of OSM 
- ☒  OSM History 
- ☒  Data Imports 
- ☒  Interesting Places 

Map of Tsuruga Castle was selected as one of the Best of OSM examples by Geofabrik. (2009)



Best of OpenStreetMap (bestofosm.org)

Best of OpenStreetMap

Examples of excellent mapping and other interesting places in OpenStreetMap.

- ☒ ★ Best of OSM
 - ☒ 🔍 OSM History
 - ☒ ⬇ Data Imports
 - ☒ 🌐 Interesting Places
- KML KML KML KML



I was so happy!

Best of OpenStreetMap (bestofosm.org)

Best of OpenStreetMap

Examples of excellent mapping and other interesting places in OpenStreetMap.

- ☒  Best of OSM
 - ☒  OSM History
 - ☒  Data Imports
 - ☒  Interesting Places
- KML KML KML KML

Click on  below to choose different base

"Tsuruga castle in Aizuwakamatsu, Japan, has been mapped with lots of detail."

Zoom to location
Tsuruga-jo
Tsuruga castle in Aizuwakamatsu, Japan, has been mapped with lots of detail.

http://en.wikipedia.org/wiki/Aizuwakamatsu_Castle

Thank you Geofabrik !

**Tōhoku, Japan
Earthquake, Tsunami
and
Nuclear Disaster**

On March a huge Earthquake and Tsunami
hit the region, causing major damage.
A Nuclear Accident also occurred.

Fukushima

After the Disaster
Japan had a lot of supports form around the world.

**Thank you very much
for all your kind support.**





Find out more about OpenStreetMap's upcoming license change (translations) (discussion)

2011 Sendai earthquake and tsunami

Available languages

Help

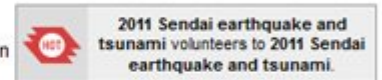
• Deutsch • English • Español • 日本語 • Nederlands • Русский

Missing languages

show

2011 Sendai earthquake and tsunami (Main Page) Mapping coordination and data sources Imageries

The **2011 Sendai earthquake and tsunami** is a current disaster. See [wikipedia:2011 Tōhoku earthquake and tsunami](#) for details and news. OpenStreetMap has good map data in this region, and the [Humanitarian OSM Team](#) is on hand to help. An OpenStreetMap based disaster information sharing site [sinsai.info](#) has been set up.



Add this Userbox to your User page with the code above

`{{HOT/2011 Sendai Userbox}}`

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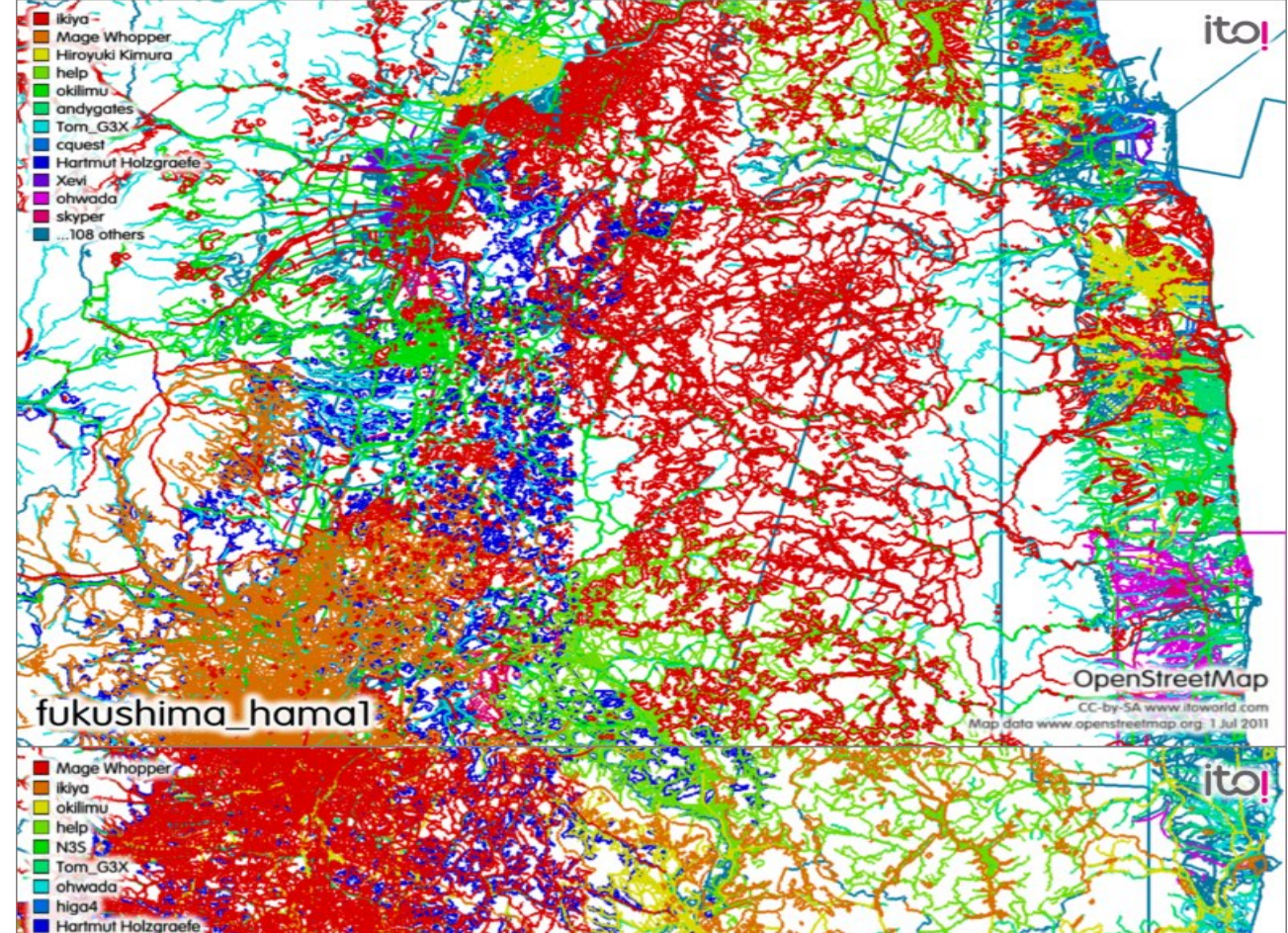
- 1 Disaster Overview
- 2 OpenStreetMap Resources for use by activities on the ground
 - 2.1 Realtime situational mapping
- 3 Contact
 - 3.1 Within Japan
 - 3.2 Outside Japan
- 4 Ways to help mapping
 - 4.1 Help mapping from data
 - 4.2 Tracing imagery
 - 4.3 Importing data
 - 4.4 Copying coordinate data
 - 4.5 Mapping on the ground
- 5 What to map
 - 5.1 Base map
 - 5.2 Post disaster map
- 6 Other Ways to Help
 - 6.1 Translations
 - 6.2 Mapping Applications
- 7 For beginners to OpenStreetMap (New to mapping?)
 - 7.1 First step guide
 - 7.2 How to map
 - 7.3 Tutorials
- 8 Communication
- 9 Recovery aiding activities by OpenStreetMap Japan
- 10 Other links



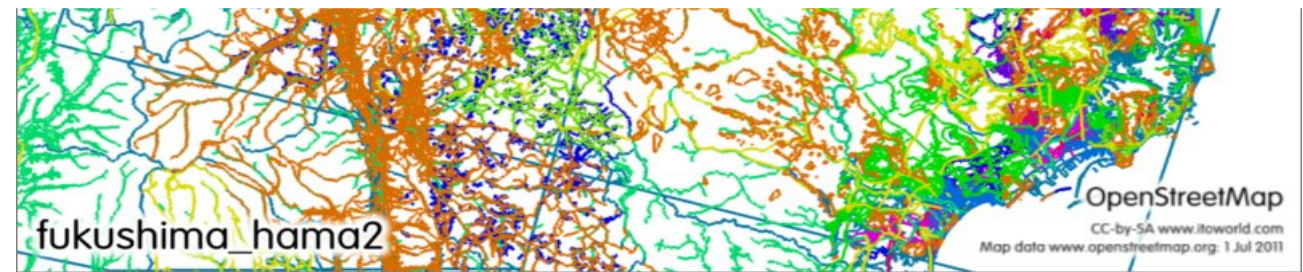
The epicenter ([map](#))

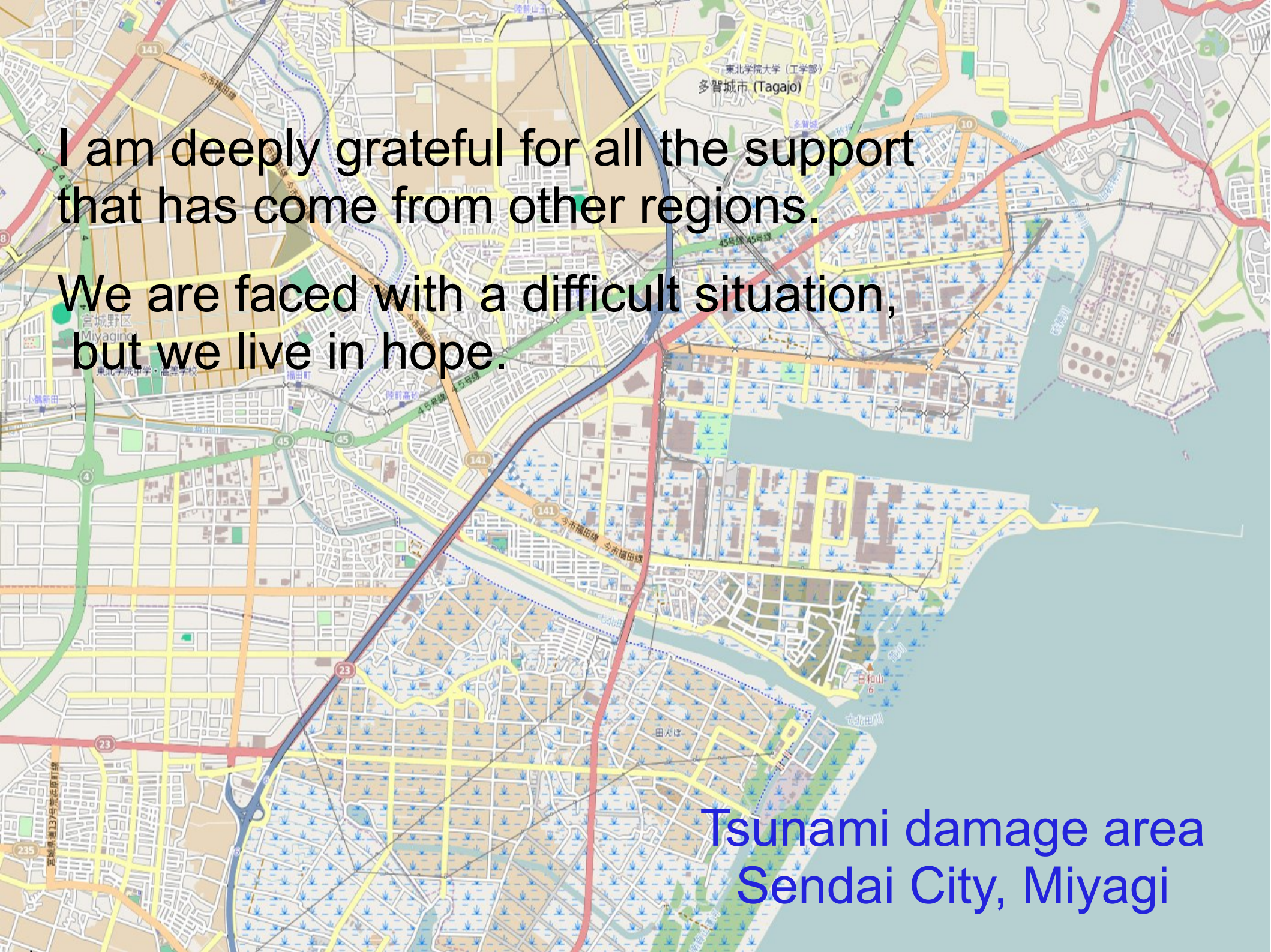
A lot of Mappers Edited the Tohoku, Japan after the earthquake.

Thank you
so much.



I have always been interested in crisis mapping.
However becoming a disaster victim myself
has made me realise that I can only do so much
as “Mapper”.





I am deeply grateful for all the support
that has come from other regions.

We are faced with a difficult situation,
but we live in hope.

Tsunami damage area
Sendai City, Miyagi

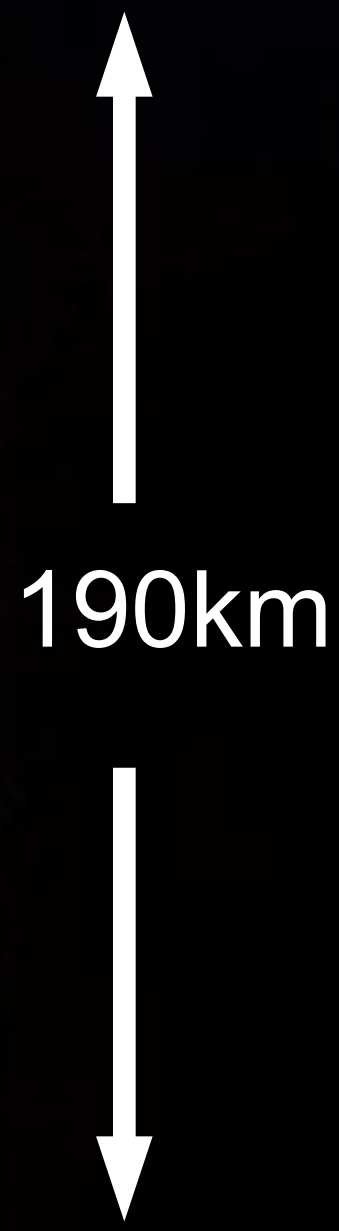
Tsunami damage



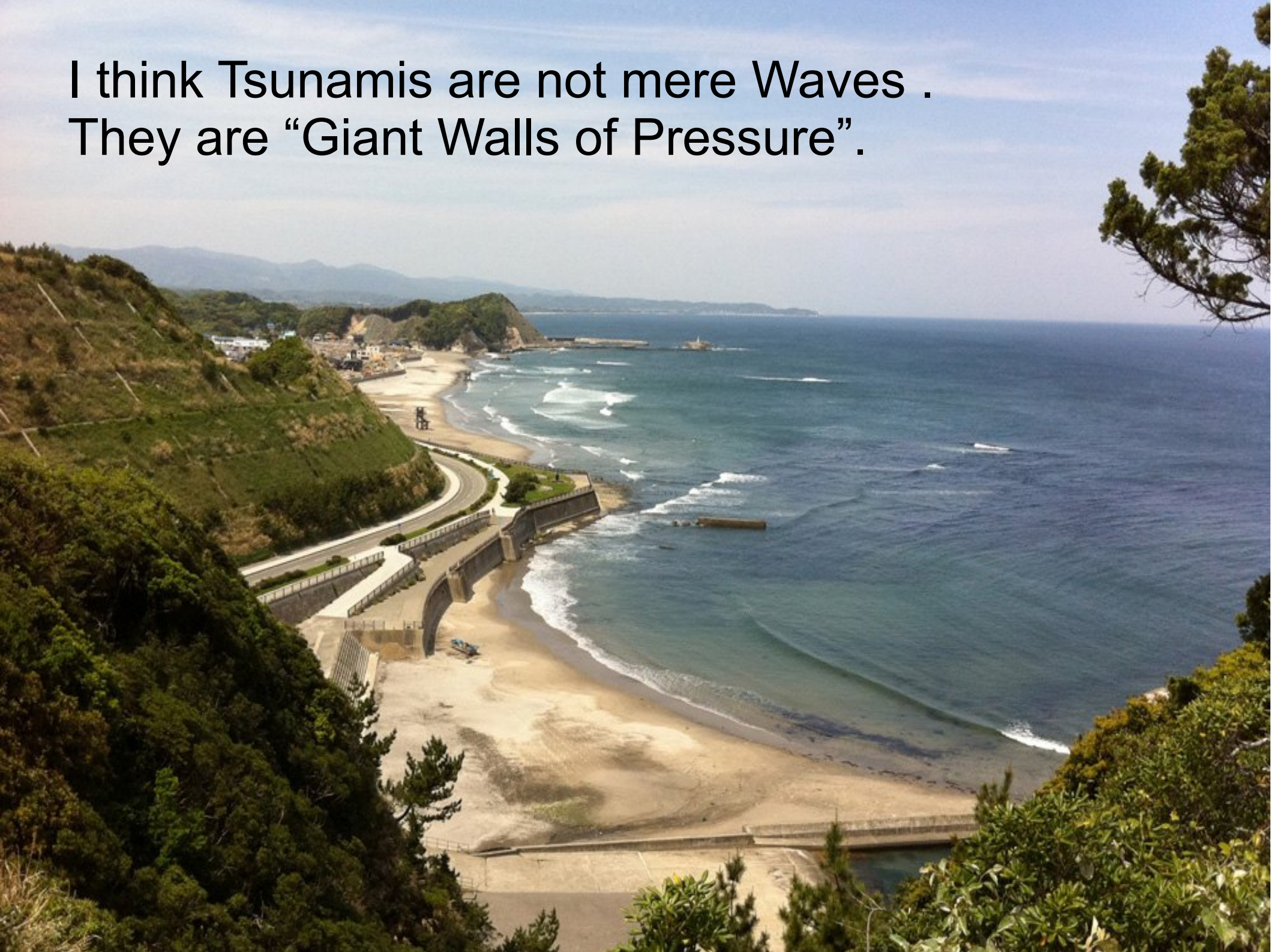
Fukushima coastline is 190km.

.We had mapped
the Fukushima coastline
before the tsunami.

These are
mapping GPS logs.



I think Tsunamis are not mere Waves .
They are “Giant Walls of Pressure”.



The tsunami destroyed everything.
And the receding wave carried
much of the debris out to sea.



Tsunami Water Level



Even after four months, a lot of debris still remains.



The government and volunteers
are working to remove it.



This is some of the debris that has been collected.

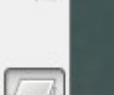
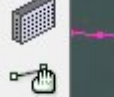
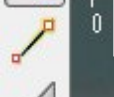




0 59.0 m

The sea side camping ground was washed away.

--: No tile at this zoom level



The area I spent several years mapping has all but disappeared.
All houses were washed away.

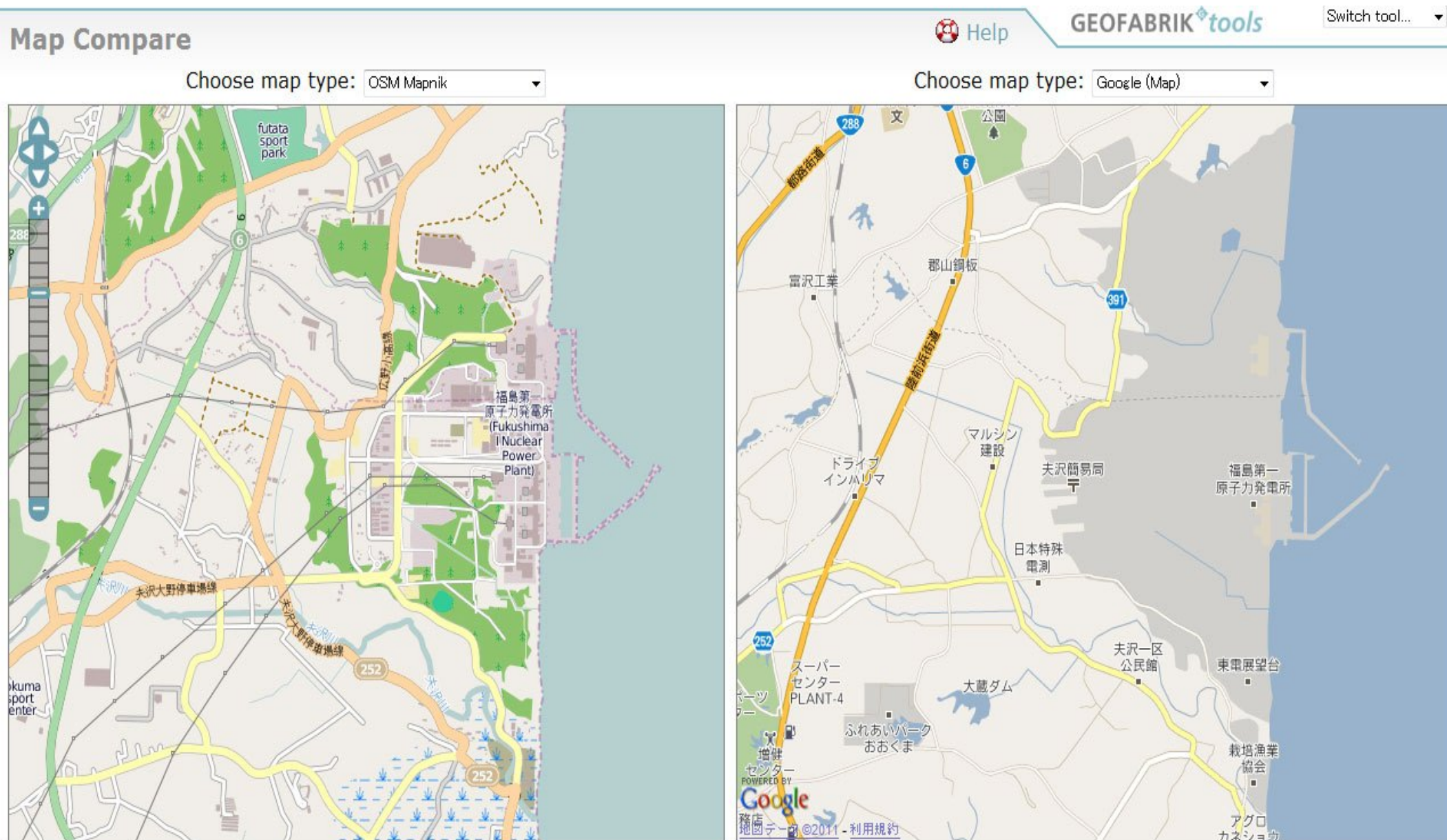




These GPS logs are full of memories and people's life
of before the disaster.
I hope they can be used as the region rebuilds in the future.

Nuclear Disaster

A nuclear accident followed the earthquake and tsunami.
Many mappers mapped the Fukushima nuclear power plant.



Following the accident citizens were not made aware of the distribution of radiation.



The measurement and release of radiation data by the government was too slow.

I considered mapping the radiation levels in Fukushima.



Radiation Mapping

First, I set several waypoints on my GPS
And recorded the levels with Geiger Conuter.

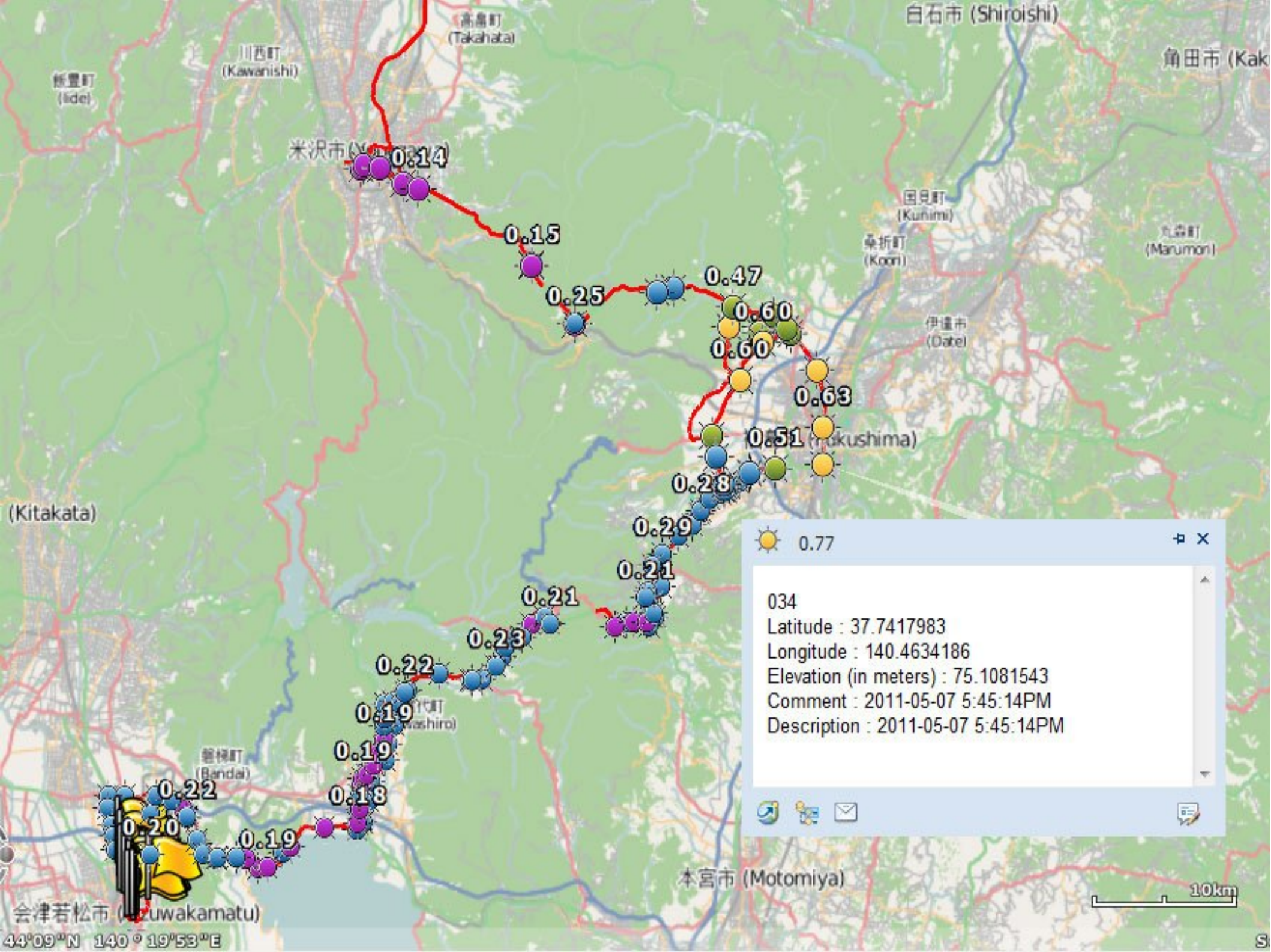


Radiation Levels Memo

52	19
21	20
28	21
27	22
25	23
67	24
67	25
74	26
70	27
60	28
58	29
	30
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54	0.20
55	0.22
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83	0.43
84	0.44
85	0.45
86	0.46
87	0.47
88	0.48
89	0.49
90	0.50
91	0.51
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93	0.53
94	0.54
95	0.55
96	0.56
97	0.57
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99	0.59
100	0.60
101	0.61
102	0.62
103	0.63
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107	0.67
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111	0.71
112	0.72
113	0.73
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116	0.76
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120	0.80

121	0.81
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133	0.93
134	0.94
135	0.95
136	0.96
137	0.97
138	0.98
139	0.99
140	1.00
141	1.01
142	1.02
143	1.03
144	1.04
145	1.05
146	1.06
147	1.07
148	1.08
149	1.09
150	1.10
151	1.11
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174	1.34
175	1.35
176	1.36
177	1.37
178	1.38
179	1.39
180	1.40
181	1.41
182	1.42
183	1.43
184	1.44
185	1.45
186	1.46
187	1.47
188	1.48
189	1.49
190	1.50
191	1.51
192	1.52
193	1.53
194	1.54
195	1.55
196	1.56
197	1.57
198	1.58
199	1.59
200	1.60



Then, in order to wider the mapping area,
I used the GPS ,Geiger Conuter and **IC recorder**
and mapped with my car. (Voice mapping)





I recorded waypoints and Radiation Levels by voice.

A gravel path leads through a dense forest of green trees. On the left, a concrete retaining wall is topped with a metal fence. The path curves slightly to the right in the distance. A white fence is visible further down the path on the right side.

I recorded.

I recorded.



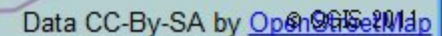
I recorded.



CSV Data

CSV Data

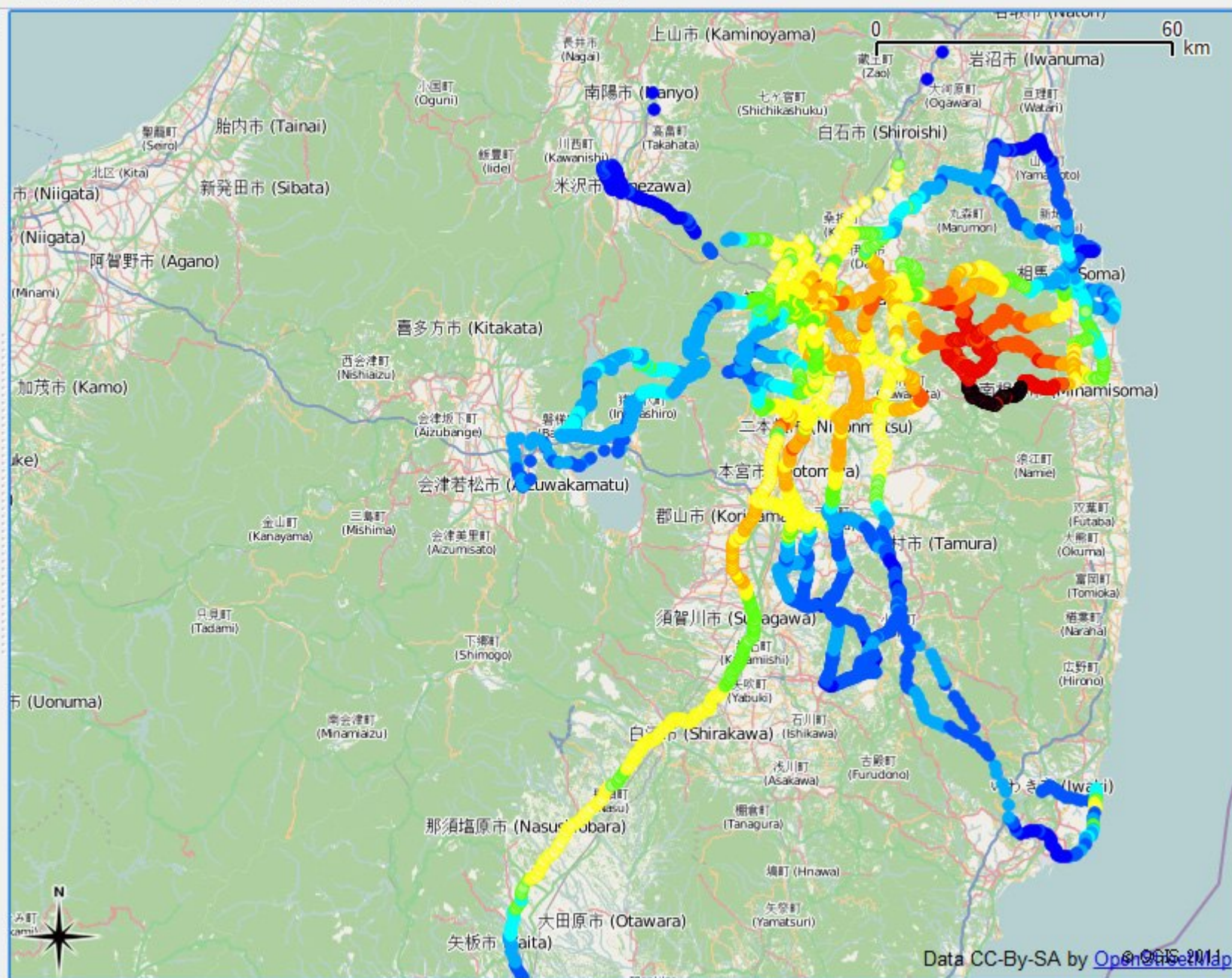
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26	37.6918799	140.524465	219 2011-05-28 7:32:24AM	0.66
27	37.6874993	140.524501	241 2011-05-28 7:32:56AM	0.69
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ファイル(F) 編集(E) ビュー(V) レイヤ(L) 設定(S) プラグイン(P) ラスタ(R) ベクタ(t) ヘルプ(H)

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- OpenStreetMap



Data CC-BY-SA by OpenStreetMap



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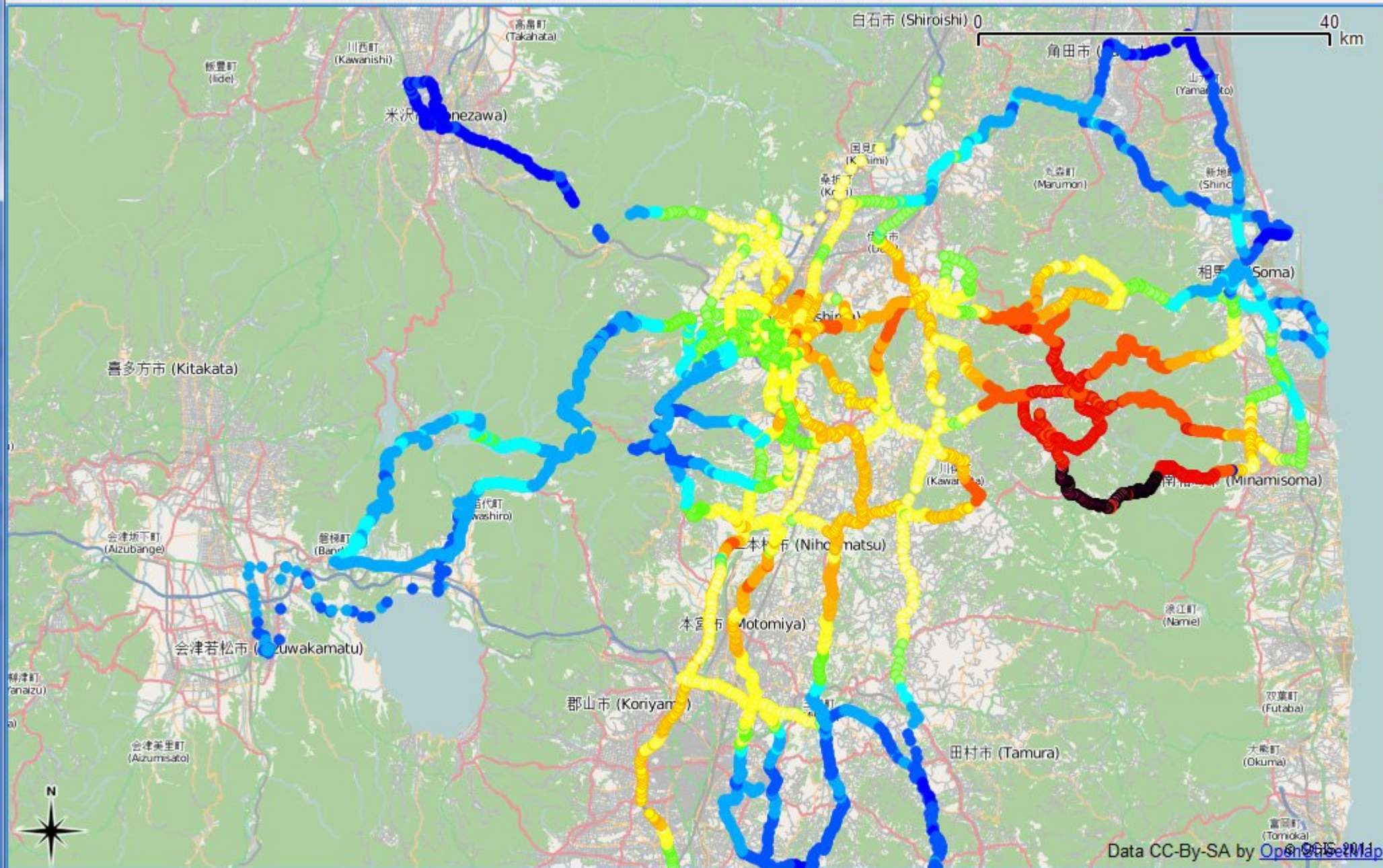
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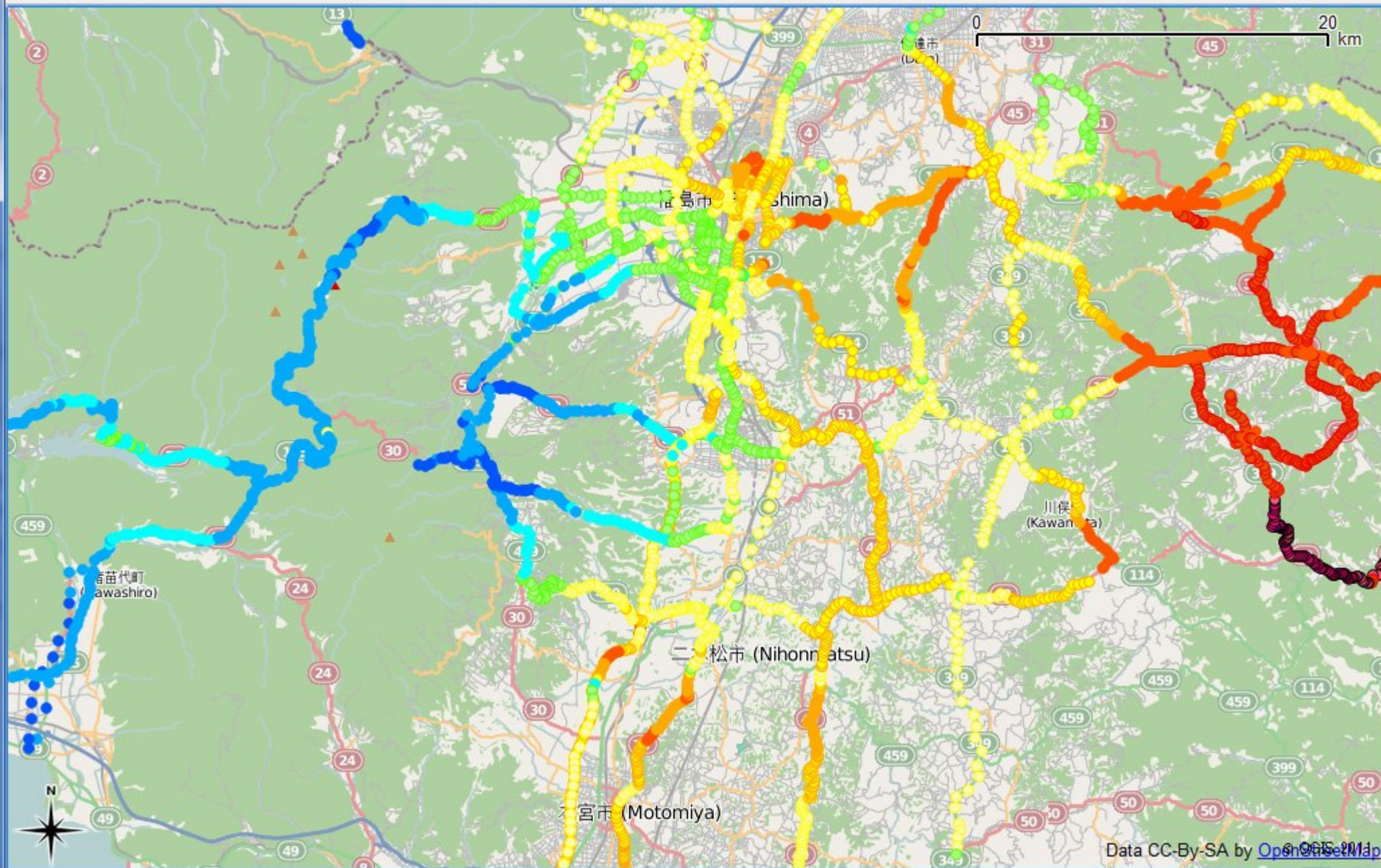


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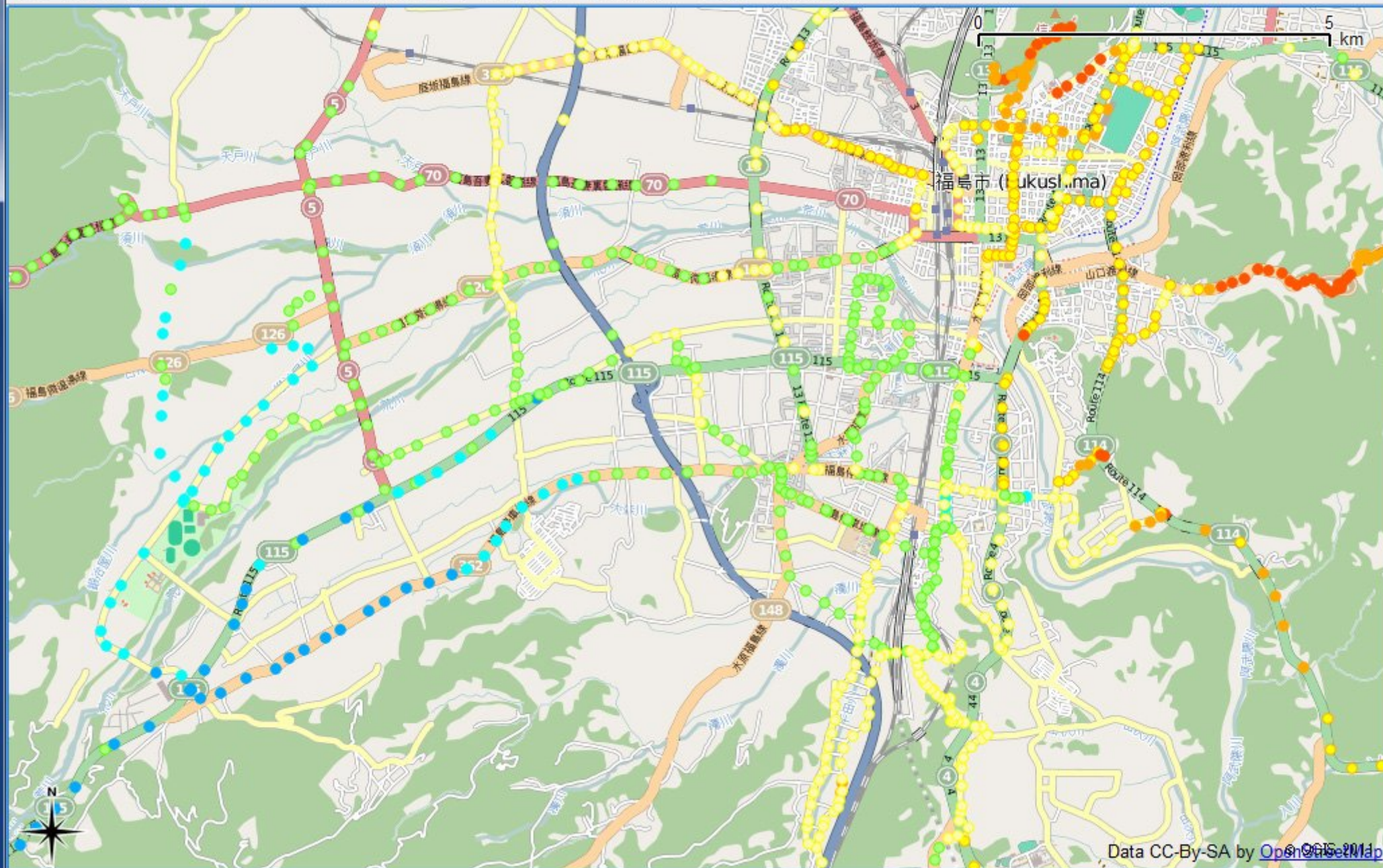
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× レンダ

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Thank you !



**I love OSM.
I love Fukushima.**

ikiya