

# Nyuzenmachi Disaster Prevention Map

## Tsunami Edition

This map provides a summary of potential flood areas, inundation depth, evacuation sites, etc., in case of a tsunami wave of maximum scale based on the results of the Toyama Prefecture Tsunami Simulation Survey (FY2016), pursuant to the "Act on Regional Development for Tsunami Disaster Prevention". Also, the maximum flood area independently estimated by Toyama prefecture is posted as reference information. In a survey conducted by Toyama Prefecture, it is said that a tsunami of about 10.2 m can reach Nyuzenmachi in about 7 minutes. Although actual tsunami waves may not necessarily result as expected, please use this information as a guide for your evacuation.

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● Inquiries: General Affairs Division, Phone no.: 0765-72-1100

### Types of tsunami alert / warning (tsunami forecast area: Toyama Prefecture)

| Type                | Expected tsunami height     |  | Actions you should take   |
|---------------------|-----------------------------|--|---|
|                     | Numerical values            | Expressions in the case of a huge earthquake |   |
| Major tsunami alert | More than 10 m<br>10m<br>5m | Gigantic                                     | <ul style="list-style-type: none"> <li>• People who live along coastal areas and beside rivers should evacuate immediately to a safe place such as higher ground.</li> <li>• Because the tsunami waves will come repeatedly, please do not leave the safe place until the tsunami alert is canceled.</li> <li>• Please evacuate to a higher place than where you are at that time. Do not assume where you are safe.</li> </ul> |
| Tsunami alert       | 3m                          | High   | <ul style="list-style-type: none"> <li>• People who are in the sea must come out of the sea immediately and move away from the coast.</li> <li>• Do not enter the sea or approach the coast until the tsunami warning is lifted.</li> </ul>   |
| Tsunami warning     | 1m                          | —  | <ul style="list-style-type: none"> <li>• When a tsunami alert / warning is announced, "directions for evacuation (emergency)" will be issued.</li> <li>• If the epicenter is close to land, the tsunami alert may be too late for the arrival of the tsunami waves.</li> <li>• Make sure to "evacuate when you feel a shake", and evacuate to a higher and more distant place.</li> </ul>                                       |

### You can protect your life during a tsunami by evacuating

**As soon as possible, move to a higher and farther place.**  
When you evacuate from the tsunami, evacuate to a higher and more distant place.

**Please evacuate on foot as far as possible.**  
Evacuation by car can be affected by road damage and building collapse due to earthquakes, and evacuation may be delayed due to traffic congestion. It also hinders the smooth and safe evacuation of other walk-away evacuees.

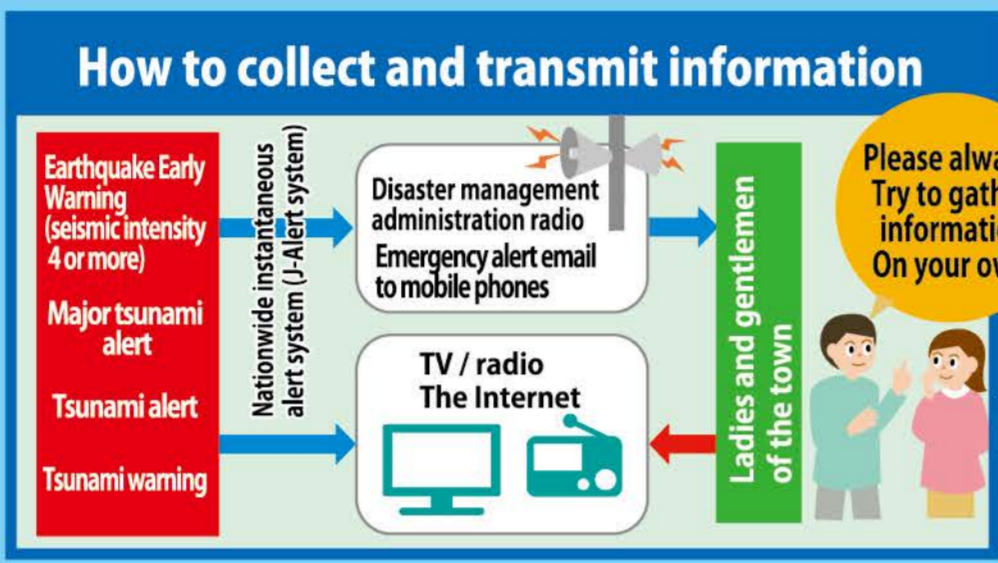
**Discuss evacuation methods at home and in the community**  
Discuss evacuation routes and evacuation places, etc., at home and in the community on a routine basis to protect the precious lives of people from tsunami disasters.

### Three principles of evacuation learned from "The Miracle of Kamaishi"

**Don't stick to assumptions.**  
In the Great East Japan Earthquake, a huge tsunami that far exceeded expectations hit the coast. Make evacuation the top priority, instead of being caught up in assumptions.

**Do your best**  
Your opponent is Nature. Do whatever you can do at the moment, instead of thinking "I should be OK", or "I am OK, now that I have come all the way here".

**Take the initiative to be the first evacuee**  
Take the initiative in seeking shelter in case of danger. Your attitude will encourage the evacuation of other people, which will save many lives.

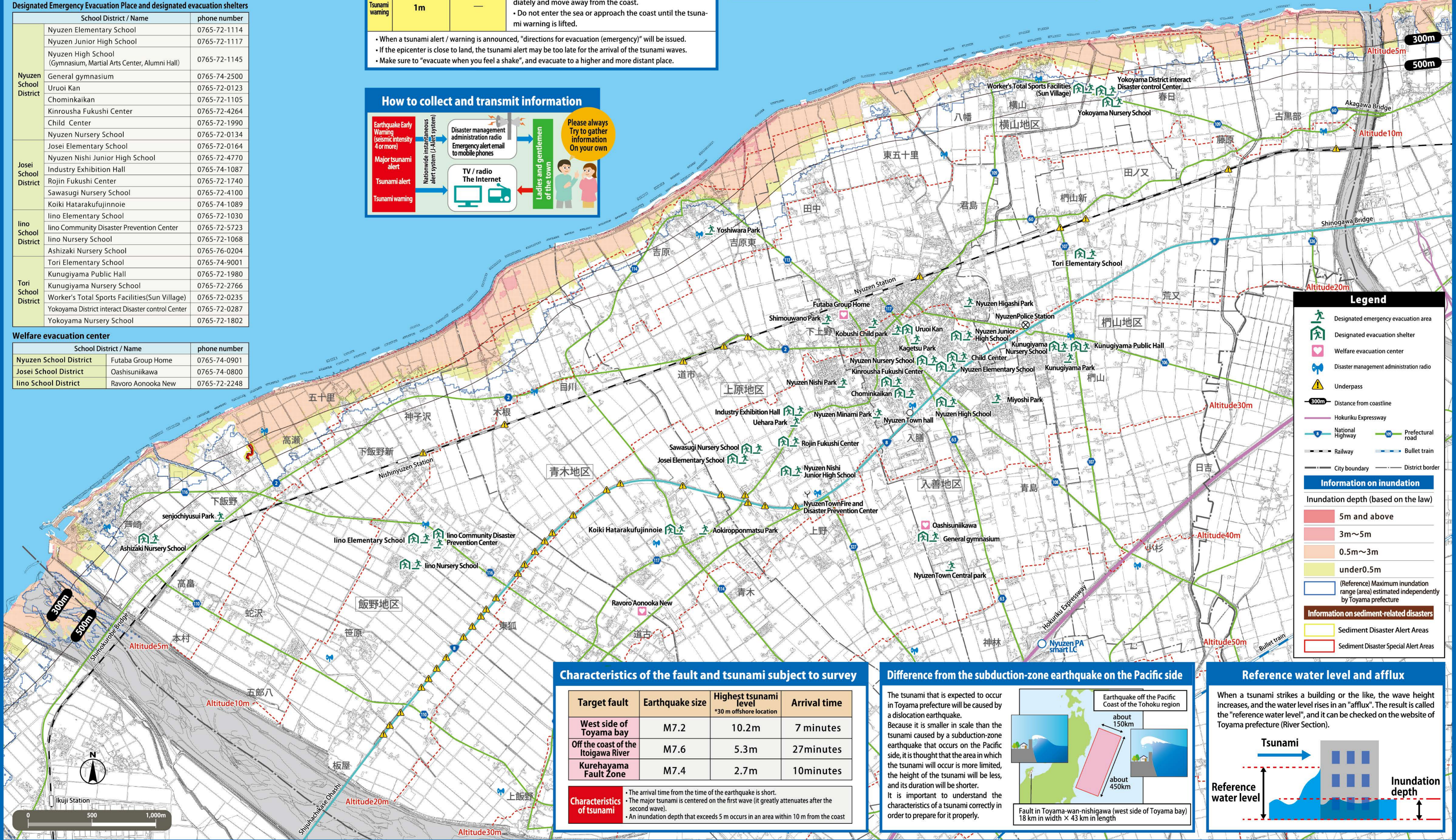


### Designated Emergency Evacuation Place and designated evacuation shelters

| School District / Name   | phone number |
|--|--------------|
| Nyuzen Elementary School   | 0765-72-1114 |
| Nyuzen Junior High School  | 0765-72-1117 |
| Nyuzen High School (Gymnasium, Martial Arts Center, Alumni Hall) | 0765-72-1145 |
| General gymnasium  | 0765-74-2500 |
| Uruoi Kan  | 0765-72-0123 |
| Chominkaikan   | 0765-72-1105 |
| Kinrousha Fukushi Center   | 0765-72-4264 |
| Child Center   | 0765-72-1990 |
| Nyuzen Nursery School  | 0765-72-0134 |
| Josei Elementary School  | 0765-72-0164 |
| Nyuzen Nishi Junior High School                                  | 0765-72-4770 |
| Industry Exhibition Hall   | 0765-74-1087 |
| Rojin Fukushi Center   | 0765-72-1740 |
| Sawasugi Nursery School  | 0765-72-4100 |
| Koiki Hatarakufujinnoie  | 0765-74-1089 |
| Iino Elementary School   | 0765-72-1030 |
| Iino Community Disaster Prevention Center                        | 0765-72-5723 |
| Iino Nursery School  | 0765-72-1068 |
| Ashizaki Nursery School  | 0765-76-0204 |
| Tori Elementary School   | 0765-74-9001 |
| Kunugiyama Public Hall   | 0765-72-1980 |
| Kunugiyama Nursery School  | 0765-72-2766 |
| Worker's Total Sports Facilities(Sun Village)                    | 0765-72-0235 |
| Yokoyama District interact Disaster control Center               | 0765-72-0287 |
| Yokoyama Nursery School  | 0765-72-1802 |

### Welfare evacuation center

| School District / Name | phone number                    |
|------------------------|---------------------------------|
| Nyuzen School District | Futaba Group Home 0765-74-0901  |
| Josei School District  | Oashisunikaawa 0765-74-0800     |
| Iino School District   | Ravoro Aonooka New 0765-72-2248 |



### Characteristics of the fault and tsunami subject to survey

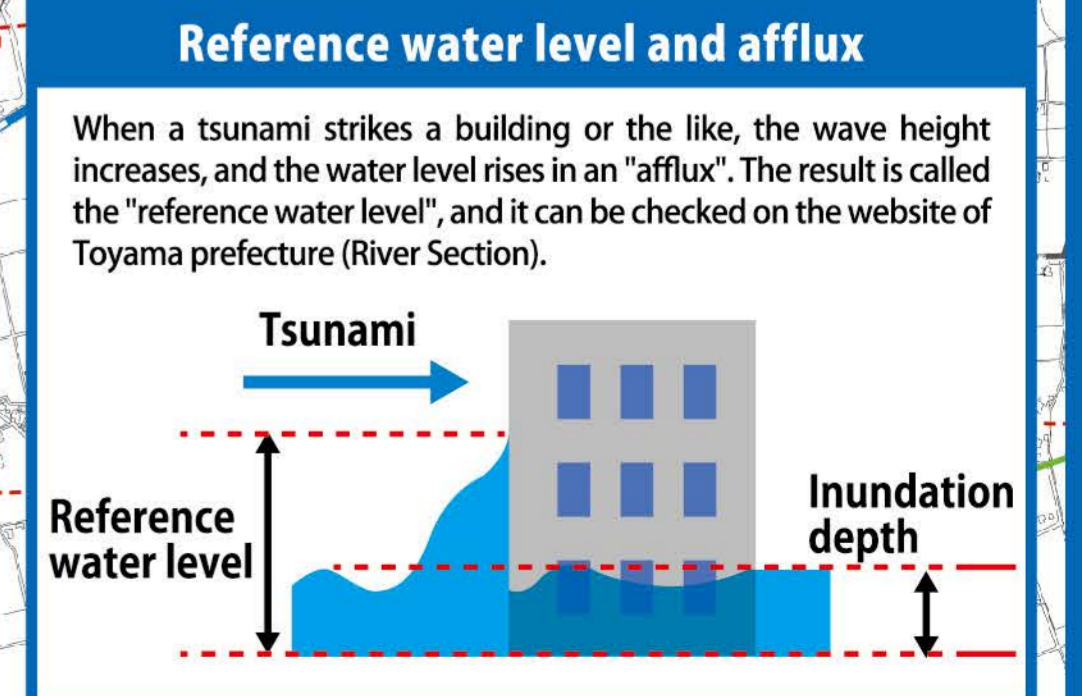
| Target fault                       | Earthquake size | Highest tsunami level<br>*30 m offshore location | Arrival time |
|------------------------------------|-----------------|--|--------------|
| West side of Toyama bay            | M7.2            | 10.2m  | 7 minutes    |
| Off the coast of the Itogawa River | M7.6            | 5.3m   | 27minutes    |
| Kurehayama Fault Zone              | M7.4            | 2.7m   | 10minutes    |

**Characteristics of tsunami**

- The arrival time from the time of the earthquake is short.
- The major tsunami is centered on the first wave (it greatly attenuates after the second wave).
- An inundation depth that exceeds 5 m occurs in an area within 10 m from the coast.

### Difference from the subduction-zone earthquake on the Pacific side

The tsunami that is expected to occur in Toyama prefecture will be caused by a dislocation earthquake. Because it is smaller in scale than the tsunami caused by a subduction-zone earthquake that occurs on the Pacific side, it is thought that the area in which the tsunami will occur is more limited, the height of the tsunami will be less, and its duration will be shorter. It is important to understand the characteristics of a tsunami correctly in order to prepare for it properly.



In creating this map, we used a numerical map (basic national land information), the electronic national large-scale map (map information) issued by the Geospatial Information Authority of Japan with the approval of the director of the Institute (Approval number 2017 information, No. 1241).