

Toyama City Flood Hazard Map

Detailed Area Map

(Iwase, Hagiura, Ohirota, Hamakurosaki)

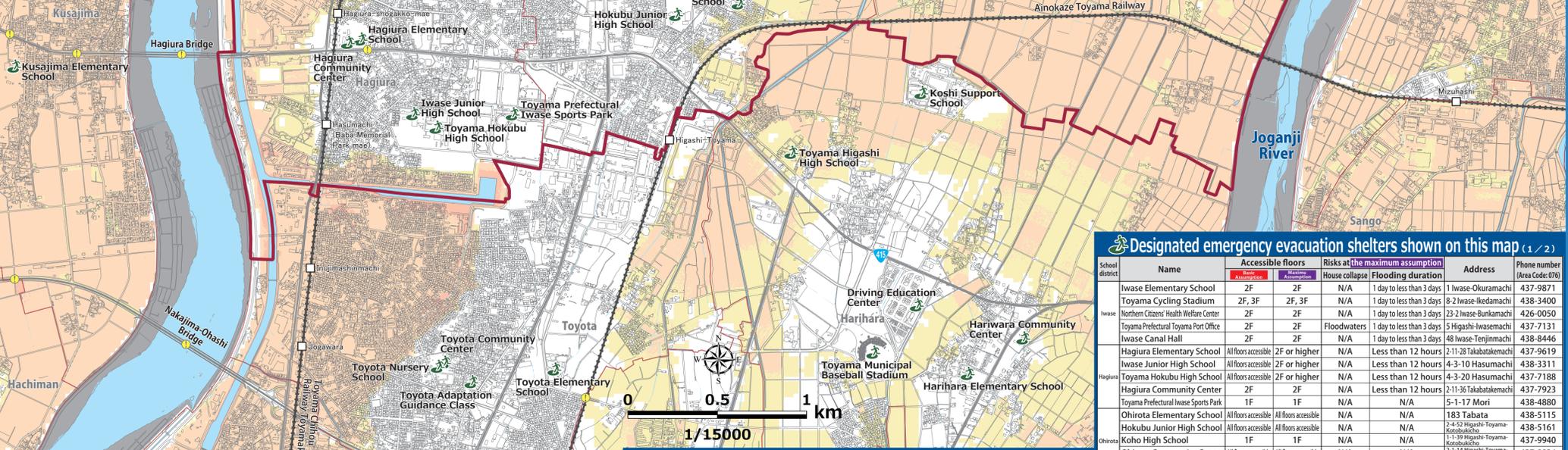
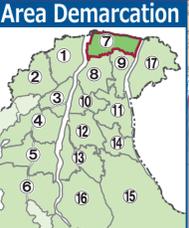
Following rivers impact areas

Basic Assumption
Joganji River, Jinzu River, Kumano River, Itachi River

Maximum Assumption
Joganji River, Jinzu River, Kumano River, Itachi River

Explanatory Notes		Flood Depth	Approximate Flood Depth
Notation	Name	20.0 m or more	5.0 m or more (Flooding on the third floor or higher)
	Designated emergency shelter	10.0 m-20.0 m	From 3.0 m to less than 5.0 m (Flooding on the second floor)
	Bridge or underpass (caution when walking)	5.0 m-10.0 m	From 0.5 m to less than 3.0 m (Flooding on the first floor)
	Water level monitoring station	3.0 m-5.0 m	Less than 0.5 m (Flooding under floor level)
	School district border	0.5 m-3.0 m	
	Scope of this map	Less than 0.5 m	

- ### 1 Read this first.
- Evacuation from flooding.
 - Evacuation Information** The city will give you the information in accordance with each warning level.
 - Evacuation information for Alert Level 3 and 4** is issued by the city based on either the **basic assumption** (the top map) or the **maximum assumption** (the bottom map), depending on the rainfall forecast and other information.
 - First, check the evacuation actions you should take under each scenario using the **Evacuation Action Flow Chart**.
 - Next, check your evacuation routes and envision multiple evacuation sites beforehand, both inside and outside the school district, where you can safely evacuate.
 - Make sure you understand **How to Obtain Information** and get used to operating the system on a daily basis to prepare for any danger that may arise.



Basic Assumption

Assumed flooding caused by rainfall approximately once in every 30-150 years.

The city will issue evacuation information for alert levels 3 or 4 based on the basic assumption.

Maximum Assumption

Assumption of inundation by the maximum possible rainfall, which is generally expected to occur once in every 1,000 years.

The city will issue this order if it needs to prepare citizens for this assumption based on prior projections, etc.

Designated emergency evacuation shelters shown on this map (2/2)

School district	Name	Accessible floors	Risks at the maximum assumption	Flooding duration	Address	Phone number (Area Code:076)
Harihara	Harihara Elementary School	All floors accessible	2F	N/A	523-1 Harihara-Nakamachi	451-2556
	Toyama Higashi High School	2F or higher	2F or higher	N/A	6-1 Shimoino-Arata	437-9018
	Toyama Municipal Baseball Stadium	All floors accessible	All floors accessible	N/A	30-1 Shimoino	451-0900
	Hariwara Community Center	2F	2F	N/A	901-2 Hariwara-Nakamachi	451-2555
Koshi	Driving Education Center	2F or higher	2F or higher	N/A	62-1 Takashima	441-2211
	Koshi Support School	1F	1F	N/A	29-1 Doshō	438-4811
	Mizuhashi Seibu Elementary School	2F or higher	2F or higher	N/A	1919-2 Mizuhashi-Tsuigado	478-0067
Mizuhashi Seibu	Mizuhashi Seibu Purification Center	2F or higher	2F or higher	N/A	101 Mizuhashi-Tsuigado	478-2984

Designated emergency evacuation shelters shown on this map (1/2)

School district	Name	Accessible floors	Risks at the maximum assumption	Flooding duration	Address	Phone number (Area Code:076)	
Iwase	Iwase Elementary School	2F	2F	N/A	1 Iwase-Ouramachi	437-9871	
	Toyama Cycling Stadium	2F, 3F	2F, 3F	N/A	8-2 Iwase-Ikedamachi	438-3400	
	Northern Citizens' Health Welfare Center	2F	2F	N/A	1 day to less than 3 days	23-2 Iwase-Bunkamachi	426-0050
	Toyama Prefectural Toyama Port Office	2F	2F	Floodwaters	1 day to less than 3 days	5 Higashi-Iwasemachi	437-7131
Hagiura	Iwase Canal Hall	2F	2F	N/A	1 day to less than 3 days	48 Iwase-Tenjirimachi	438-8446
	Hagiura Elementary School	All floors accessible	2F or higher	N/A	1 day to less than 3 days	211-28 Takatabatamachi	437-9619
	Iwase Junior High School	All floors accessible	2F or higher	N/A	Less than 12 hours	4-3-10 Hasumachi	438-3311
	Toyama Hokubu High School	All floors accessible	2F or higher	N/A	Less than 12 hours	4-3-20 Hasumachi	437-7188
Ohirota	Hagiura Community Center	2F	2F	N/A	Less than 12 hours	211-36 Takatabatamachi	437-7923
	Toyama Prefectural Iwase Sports Park	1F	1F	N/A	N/A	5-1-17 Mori	438-4880
	Ohirota Elementary School	All floors accessible	All floors accessible	N/A	N/A	183 Tabata	438-5115
	Hokubu Junior High School	All floors accessible	All floors accessible	N/A	N/A	2-4-52 Higashi-Toyama-Kotobuchicho	438-5161
Hamakurosaki	Koho High School	1F	1F	N/A	N/A	1-1-39 Higashi-Toyama-Kotobuchicho	437-9940
	Ohirota Community Center	All floors accessible	All floors accessible	N/A	N/A	2-1-14 Higashi-Toyama-Kotobuchicho	437-9924
	Kaigandori Elderly Citizens' Welfare Center	All floors accessible	All floors accessible	N/A	N/A	264-11 Kaigandori	438-5759
	Hamakurosaki Elementary School	All floors accessible	2F or higher	N/A	Less than 12 hours	3301-2 Hamakurosaki	437-9374
Kusajima	Toyama Prefectural Educational Institution	All floors accessible	All floors accessible	N/A	N/A	225 Harihi	437-9853
	Hamakurosaki Purification Center	2F, 3F	2F, 3F	N/A	12 hours to less than 1 day	18 Hamakurosaki	438-5235
	Hamakurosaki Community Center	2F	2F	N/A	N/A	18 Hamakurosaki	437-9371
	Kusajima Elementary School	2F or higher	2F or higher	N/A	1 day to less than 3 days	93 Kusajima	435-0159
Toyota	Okuda Kita Elementary School	2F or higher	2F or higher	Floodwaters	1 day to less than 3 days	3295-12 Hasumachi	432-1415
	Toyota Elementary School	All floors accessible	All floors accessible	N/A	N/A	2-1 Yonedea	438-5131
	Toyota Community Center	All floors accessible	All floors accessible	N/A	N/A	1-2-5 Toyota-Homachi	437-9313
	Toyota Nursery School	All floors accessible	All floors accessible	N/A	N/A	1-2-3 Toyota-Homachi	438-5171
Toyota	Toyota Adaptation Guidance Class	All floors accessible	All floors accessible	N/A	N/A	3-12-25 Toyowakacho	482-4682

4 Areas requiring early evacuation, etc.

It could become highly life-threatening, so please seek refuge outdoors as soon as possible.

- Floodwaters:** Areas where wooden houses are likely to be swept away or destroyed by violent floodwaters from rivers.
- Riverbank erosion:** Areas where houses may be washed away or collapse due to the ground being eroded by floodwaters.

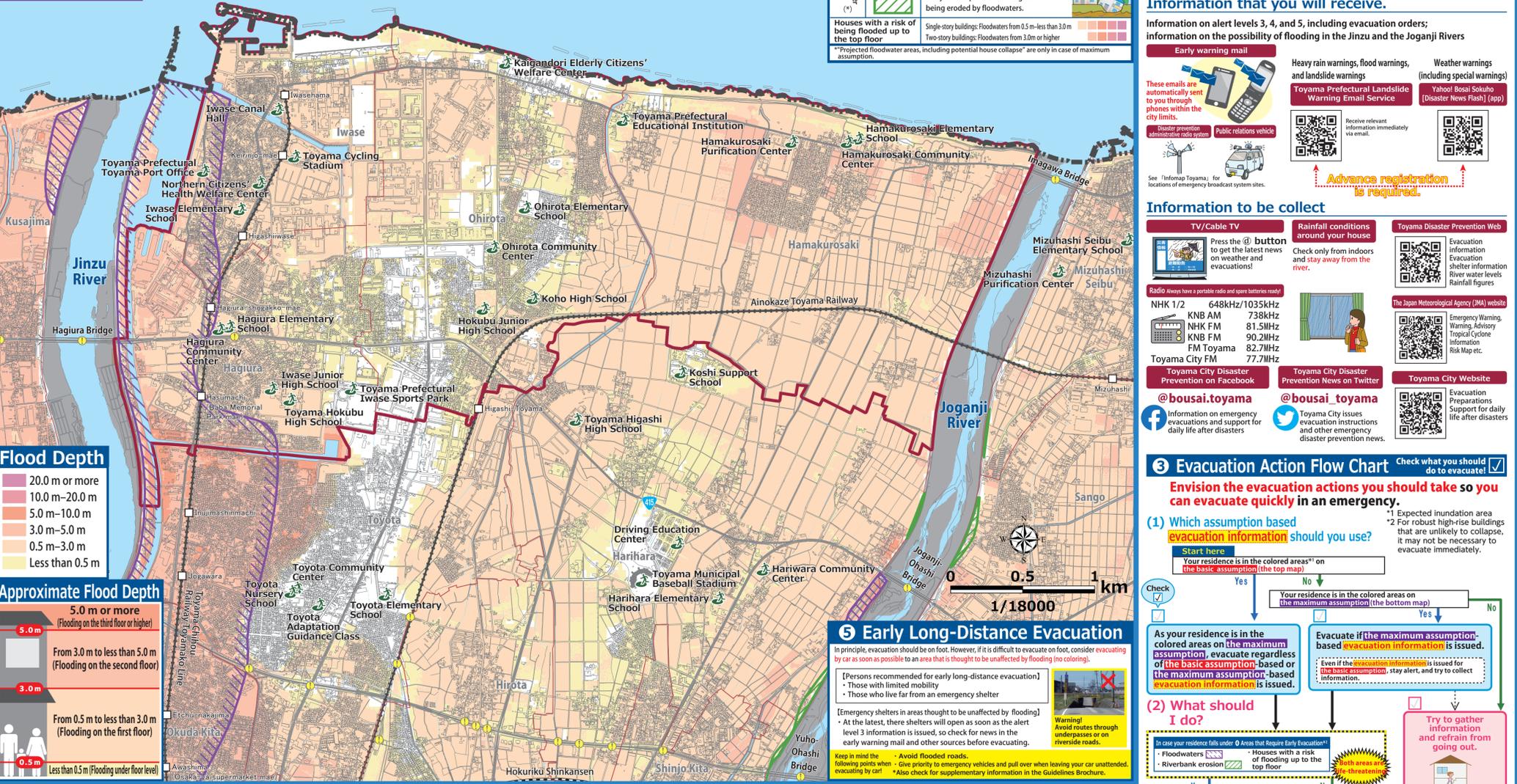
Houses with a risk of being flooded up to the top floor:

- Single-story buildings: Floodwaters from 0.5 m- less than 3.0 m
- Two-story buildings: Floodwaters from 3.0 m or higher

Projected floodwater areas, including potential house collapse are only in case of maximum assumption.

6 How to Obtain Information

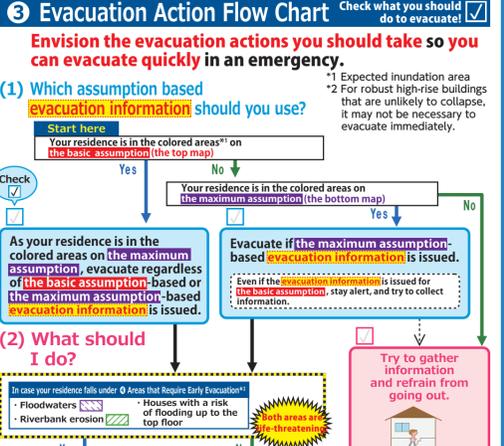
You need information when you decide to evacuate. It is vital that you know what kind of information you need and how to get it. Collect information yourself in addition to alerts and information you receive.



Information that you will receive.

Information on alert levels 3, 4, and 5, including evacuation orders; information on the possibility of flooding in the Jinzu and the Joganji Rivers

- Early warning mail:** These emails are automatically sent to you through phones within the city limits.
- Weather warnings and special warnings:** Heavy rain warnings, flood warnings, and landslides warnings.
- Toyama Prefectural Landslide Warning Email Service:** Receive relevant information immediately via email.
- Disaster prevention administrative vehicles:** See (Inmap) Toyama, for locations of emergency broadcast system sites.
- Advance registration is required.**
- Information to be collect:** TV/Cable TV, Rainfall conditions around your house, Toyama Disaster Prevention Web, Radio, Toyama City FM, Toyama City Disaster Prevention on Facebook, Toyama City Disaster Prevention News on Twitter, Toyama City Website.



5 Early Long-Distance Evacuation

In principle, evacuation should be on foot. However, if it is difficult to evacuate on foot, consider evacuating by car as soon as possible to an area that is thought to be unaffected by flooding (no coloring).

[Persons recommended for early long-distance evacuation]

- Those with limited mobility
- Those who live far from an emergency shelter

[Emergency shelters in areas thought to be unaffected by flooding]

- *At the latest, these shelters will open as soon as the alert level 3 information is issued, so check for news in the early warning mail and other sources before evacuating.

Keep in mind the following points when evacuating by car:

- *Avoid flooded roads.
- *Give priority to emergency vehicles and pull over when leaving your car unattended.
- *Also check for supplementary information in the Guidelines Brochure.

Warning! Avoid routes through underpasses or on riverside roads.

Disaster Emergency Message Dial (171)

Record

How to record messages

Dial 171

Press 1

Enter your phone number (including the area code)

Record your message

PLAY

How to play the recorded messages

Dial 171

Press 2

Enter your phone number (including the area code)

Play the message for you

2 Evacuation Information. (Evacuation actions according to Alert Level)

Alert Level 1
[Issued by the JMA] Early warning information
Increase your preparedness for the disaster. (Make an effort to gather information in case of an emergency.) See How to Obtain Information

Alert Level 2
[Issued by the JMA] Heavy Rain Advisory Flood Advisory
Make sure you know how to evacuate. (Have you decided where to go and what routes to take?)

Alert Level 3
Based on the basic assumption or the maximum assumption [Issued by Toyama City] Evacuation of the elderly, etc.
If it will take considerable time to evacuate** from a dangerous place*, start evacuation. Others should be prepared for evacuation.

Alert Level 4
Based on the basic assumption or the maximum assumption [Issued by Toyama City] Evacuation order
Please begin evacuation. At this point, everyone should be evacuated from the dangerous area**.

Alert Level 5
[Issued by Toyama City] Emergency safety assurance
(Issued to the extent possible)
A disaster has occurred or is just about to occur. Secure your personal safety immediately.

*1 Those who are in a safe place, need not evacuate to a designated emergency shelter. A safe place is the one that falls under all the following three categories:

- Areas unaffected by floodwaters
- Rooms in houses or facilities are higher than the level of flooding.
- Areas where the residents are able to survive with enough water and food till the floodwater recedes.

Check the flooding duration here.

*2 Includes the elderly and people with disabilities, etc.

Date issued: June 2020 (revision: August 2022) For inquiries, contact: River Improvement Div., Public Works Construction Dept., Toyama City 076-443-2221

Background map: 2018 Toyama City Topographic Map 1/2500 / 測量法に基づく国土地理院長承認 (使用) R1.H49