Toyama City Flood Hazard Map

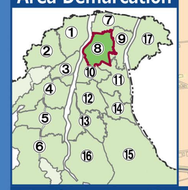
Detailed Area Map ❽

(Okuda, Okuda Kita, Toyota, Hirota)

❶ Read this first.

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

Area Demarcation



Explanatory Notes

Notation	Name
	Designated emergency shelter
	Bridge or underpass (caution when walking)
	Water level monitoring station
	School district border
	Scope of this map

Designated emergency evacuation shelters shown on this map (1/3)

School district	Name	Accessible floors: Basic Assumption	Accessible floors: Maximum Assumption	Risks at the maximum assumption: House collapse	Risks at the maximum assumption: Flooding duration	Address	Phone number (Area Code: 076)
Okuda	Okuda Elementary School	2F or higher	2F or higher	Floodwaters	12 hours to less than 1 day	10-18 Okuda-Futabacho	441-3746
	Okuda Junior High School	2F or higher	2F or higher	N/A	12 hours to less than 1 day	25-10 Okuimachi	441-3628
	Toyama Special Needs School for the Hearing Impaired	All floors accessible	2F or higher	N/A	Less than 12 hours	1-9-56 Shimo-Okui	441-9172
	Toyama prefectural Symbiosis Center	2F or higher	2F or higher	Floodwaters	1 day to less than 3 days	6-7 Minatoirifunecho	432-4500
Okuda Kita	Okuda Kita Elementary School	2F or higher	3F or higher	Floodwaters	1 day to less than 3 days	3-72 Shimoshin-Kitamachi	432-1415
Toyota	Toyota Elementary School	All floors accessible	All floors accessible	N/A	N/A	2-1 Yoneda	438-5131
	Toyota Community Center	All floors accessible	All floors accessible	N/A	N/A	1-2-5 Toyota-Honmachi	437-9313
	Toyota Nursery School	All floors accessible	All floors accessible	N/A	N/A	1-2-3 Toyota-Honmachi	438-5171
	Toyota Adaptation Guidance Class	All floors accessible	All floors accessible	N/A	N/A	3-12-25 Toyowakacho	482-4682
Hirota	Hirota Elementary School	All floors accessible	All floors accessible	N/A	N/A	22-53 Nabeta	451-6280
	Hirota Community Center	All floors accessible	All floors accessible	N/A	N/A	1-3 Araya	451-5601
	Apita Toyamahigashi Multi-storey Parking Space	3F	3F	N/A	N/A	3-8-38 Kamifugo	452-3311
Hariharа	Hariharа Elementary School	All floors accessible	2F	N/A	Less than 12 hours	523-1 Hariwara-Nakamachi	451-2556
	Toyama Higashi High School	2F or higher	2F or higher	N/A	Less than 12 hours	6-1 Shimoiino-Arata	437-9018
	Toyama Municipal Baseball Stadium	All floors accessible	All floors accessible	N/A	N/A	30-1 Shimoiino	451-0900
	Driving Education Center	2F or higher	2F or higher	N/A	N/A	62-1 Takashima	441-2211
	Koshi Support School	1F	1F	N/A	N/A	29-1 Dosho	438-4811
Shibazono	Yuho High School	2F or higher	3F or higher	Floodwaters	3 days to less than 1 week	2-12-10 Jinzumachi	441-4951
	Toyama Budokan	2F or higher	3F	Floodwaters	1 day to less than 3 days	2-10 Ushijimacho	431-0170
	City station north parking	2F or higher	3F or higher	Floodwaters	1 day to less than 3 days	24-2 Ushijimacho	431-8166

Designated emergency evacuation shelters shown on this map (2/3)

School district	Name	Accessible floors: Basic Assumption	Accessible floors: Maximum Assumption	Risks at the maximum assumption: House collapse	Risks at the maximum assumption: Flooding duration	Address	Phone number (Area Code: 076)
Shibazono	Aubade Hall	2F or higher	3F or higher	Floodwaters	1 day to less than 3 days	9-28 Ushijimacho	445-5620
	Shibazono Junior High School	2F or higher	3F or higher	Floodwaters	3 days to less than 1 week	3-1-26 Shibazonocho	441-4638
	Shibazono Elementary School	2F or higher	3F or higher	Floodwaters	3 days to less than 1 week	3-1-26 Shibazonocho	432-7700
	Marier Toyama	6F, 7F	6F, 7F	Floodwaters	1 day to less than 3 days	1-1-61 Sakuramachi	445-4511
	Sakuramachi car park	2F or higher	3F or higher	Floodwaters	3 days to less than 1 week	2-1-1 Sakuramachi	433-0004
	Prefectural Toyama Central Parking Lot	3F or higher	3F or higher	Floodwaters	1 day to less than 3 days	6-4 Shinsakuramachi	444-8451
	Toyama Prefecture Education Center	3F	3F	Floodwaters	1 day to less than 3 days	1-2-7 Chitosemachi	442-1210
Yanagimachi	Inarimotomachi Nursery School	2F	2F	N/A	Less than 12 hours	2-13-13 Inari-Motomachi	441-6719
Tobu	Tobu Elementary School	All floors accessible	2F	N/A	N/A	1-5-44 Ishigane	421-3445
	Tobu Junior High School	2F or higher	2F or higher	N/A	Less than 12 hours	4-4-60 Nagae-Shinmachi	421-5395
	Fujikoshi Technical High School	2F or higher	2F or higher	N/A	N/A	7-5 Higashi-Ishiganemachi	425-8304
	Tobu Community Center	All floors accessible	All floors accessible	N/A	N/A	1-2-13 Ishigane	421-3204
	Toyama Prefectural University Toyama Campus	2F or higher	2F or higher	N/A	Less than 12 hours	2-2-78 Nishi-Nagae	464-5410
Shinjo	Shinjo Elementary School	All floors accessible	All floors accessible	N/A	N/A	1-6-30 Shinjomachi	432-2773
	Shinjo Community Center	2F	2F	N/A	N/A	1-3-16 Shinjomachi	432-2742
	Shinjo Nursery School	2F	2F	N/A	N/A	3-4-20 Shinjomachi	432-7290
	Toyama City Swimming pool	All floors accessible	2F	N/A	Less than 12 hours	4-1-70 Arakawa	491-8899

Designated emergency evacuation shelters shown on this map (3/3)

School district	Name	Accessible floors: Basic Assumption	Accessible floors: Maximum Assumption	Risks at the maximum assumption: House collapse	Risks at the maximum assumption: Flooding duration	Address	Phone number (Area Code: 076)
Iwase	Iwase Elementary School	2F	2F	N/A	1 day to less than 3 days	1 Iwase-Okuramachi	437-9871
	Northern Citizens' Health Welfare Center	2F	2F	N/A	1 day to less than 3 days	23-2 Iwase-Bunkamachi	426-0050
Hagiura	Hagiura Elementary School	All floors accessible	2F or higher	N/A	Less than 12 hours	2-11-28 Takabatakemachi	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
	Hagiura Community Center	2F	2F	N/A	Less than 12 hours	2-11-36 Takabatakemachi	437-7923
	Toyama Prefectural Iwase Sports Park	1F	1F	N/A	N/A	5-1-17 Mori	438-4880
Ohirota	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-Kotobukicho	438-5161
	Koho High School	1F	1F	N/A	N/A	1-1-39 Higashi-Toyama-Kotobukicho	437-9940
	Ohirota Community Center	All floors accessible	All floors accessible	N/A	N/A	2-1-14 Higashi-Toyama-Kotobukicho	437-9924

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.

Flood Depth

- 20.0 m or more
- 10.0 m–20.0 m
- 5.0 m–10.0 m
- 3.0 m–5.0 m
- 0.5 m–3.0 m
- Less than 0.5 m

Sediment Disaster

- Special Hazard Areas
- Hazard Areas

Approximate Flood Depth

- 5.0 m or more (Flooding on the third floor or higher)
- From 3.0 m to less than 5.0 m (Flooding on the second floor)
- From 0.5 m to less than 3.0 m (Flooding on the first floor)
- Less than 0.5 m (Flooding under floor level)

Following rivers impact areas

- Basic Assumption: Joganji River, Jinzu River, Kumano River, Itachi River
- Maximum Assumption: Joganji River, Jinzu River, Kumano River, Itachi River, Dogawa River

0 0.5 1 km

1/15000

1/18000

❷ 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 ❻ 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?)
❸ Evacuation Action Flow Chart Check

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*2 from a dangerous place*1, 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*1.

〜〜<Be sure to evacuate before Alert Level 4!>〜〜

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 evacuation site. A safe place is the one that falls under all the following three categories.
1. Areas unaffected by floodwaters or riverbank erosion
2. Rooms in houses or facilities are higher than the level of flooding.
3. 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.

Disaster Emergency Message Dial (171)

Record: How to record messages	PLAY: How to play the recorded messages
Dial 171	Dial 171
Press 1	Press 2
Enter your phone number (including the area code)	Enter your phone number (including the area code)
Record your message	Play the message for you

❹ 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 3.0m or higher	

Projected floodwater areas, including potential house collapse* (*)

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

❺ 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
- Those who can evacuate early in the following school districts, which are likely to have insufficient capacity at evacuation shelters within walking distance:
  - Basic Assumption: Okuda Kita
  - Maximum Assumption: Okuda Kita, Hirota (West side of the railway)

Warning! Avoid routes through underpasses or on riverside roads.

[Emergency shelters in areas thought to be unaffected by flooding]
- At the latest, there 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 supplemental information in the Guidelines Brochure.

❻ 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
- Disaster prevention administrative radio system
- Public relations vehicle

These emails are automatically sent to you through phones within the city limits.

See「Infomap Toyama」for locations of emergency broadcast system sites.

Heavy rain warnings, flood warnings, and landslide warnings

Toyama Prefectural Landslide Warning Email Service

Receive relevant information immediately via email.

Weather warnings (including special warnings)

Yahoo! Bosai Sokuho [Disaster News Flash] (app)

Advance registration is required.

Information to be collect

TV/Cable TV

Press the ⓓ button to get the latest news on weather and evacuations!

Rainfall conditions around your house

Check only from indoors and stay away from the river.

The Japan Meteorological Agency (JMA) website

Emergency Warning, Warning, Advisory Tropical Cyclone Information Risk Map etc.

Toyama City Disaster Prevention on Facebook

@bousai.toyama

Information on emergency evacuations and support for daily life after disasters

Radio Always have a portable radio and spare batteries ready!

NHK 1/2	648kHz/1035kHz
KNB AM	738kHz
NHK FM	81.5MHz
KNB FM	90.2MHz
FM Toyama	82.7MHz
Toyama City FM	77.7MHz

Toyama Disaster Prevention Web

Evacuation information Evacuation shelter information River water levels Rainfall figures

Toyama City Website

Evacuation Preparations Support for daily life after disasters

Toyama City Disaster Prevention News on Twitter

@bousai_toyama

Toyama City issues evacuation instructions and other emergency disaster prevention news.

Date issued: June 2020 (revision: September 2021)

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）R1JHs942

For inquiries, contact: River Improvement Div., Public Works Construction Dept., Toyama City (76-443-2225)

❸ Evacuation Action Flow Chart

Check what you should do to evacuate! ☑

Envision the evacuation actions you should take so you can evacuate quickly in an emergency.

(1) Which assumption based evacuation information should you use?

*1 Expected inundation area
*2 For robust high-rise buildings that are unlikely to collapse, it may not be necessary to evacuate immediately.

Start here: Your residence is in the colored areas*1 on the basic assumption (the left map)

- Yes → Check ☑ → As your residence is in the colored areas on the maximum assumption, evacuate regardless of the basic assumption-based or the maximum assumption-based evacuation information is issued.
- No → Your residence is in the colored areas on the maximum assumption (the right map)
  - Yes → Check ☑ → As your residence is in the colored areas on the maximum assumption, evacuate regardless of the basic assumption-based or the maximum assumption-based evacuation information is issued.
  - No → Evacuate if the maximum assumption-based evacuation information is issued.
    - Even if the evacuation information is issued for the basic assumption, stay alert, and try to collect information.

(2) What should I do?

Check ☑ — In case your residence falls under ❹ Areas that Require Early Evacuation*2
- Floodwaters
- Riverbank erosion
- Houses with a risk of flooding up to the top floor

Both areas are life-threatening

- Yes → Do not hesitate to evacuate to a designated emergency shelter or another safe place. Please follow this evacuation procedure even if you evacuate according to the evacuation information for the basic assumption. → Evacuation (ground-level evacuation)
- No → When seeking refuge outdoors is dangerous
  - Check ☑ → Evacuate to a designated emergency shelter or other safe places → Evacuation (ground-level evacuation)
  - Check ☑ → Seek refuge to your residence's upper floors that are unaffected by flooding → Ensure indoor safety (vertical evacuation)
  - Check ☑ → Try to gather information and refrain from going out. → Ensure indoor safety

Anyone with walking difficulties should prepare for ❺ Early Long-Distance Evacuation.