Toyama City Flood Hazard Map

Detailed Area Map ⑯
(Osawano, Okubo, Funakura)

❶ Read this first.

1. Evacuation 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

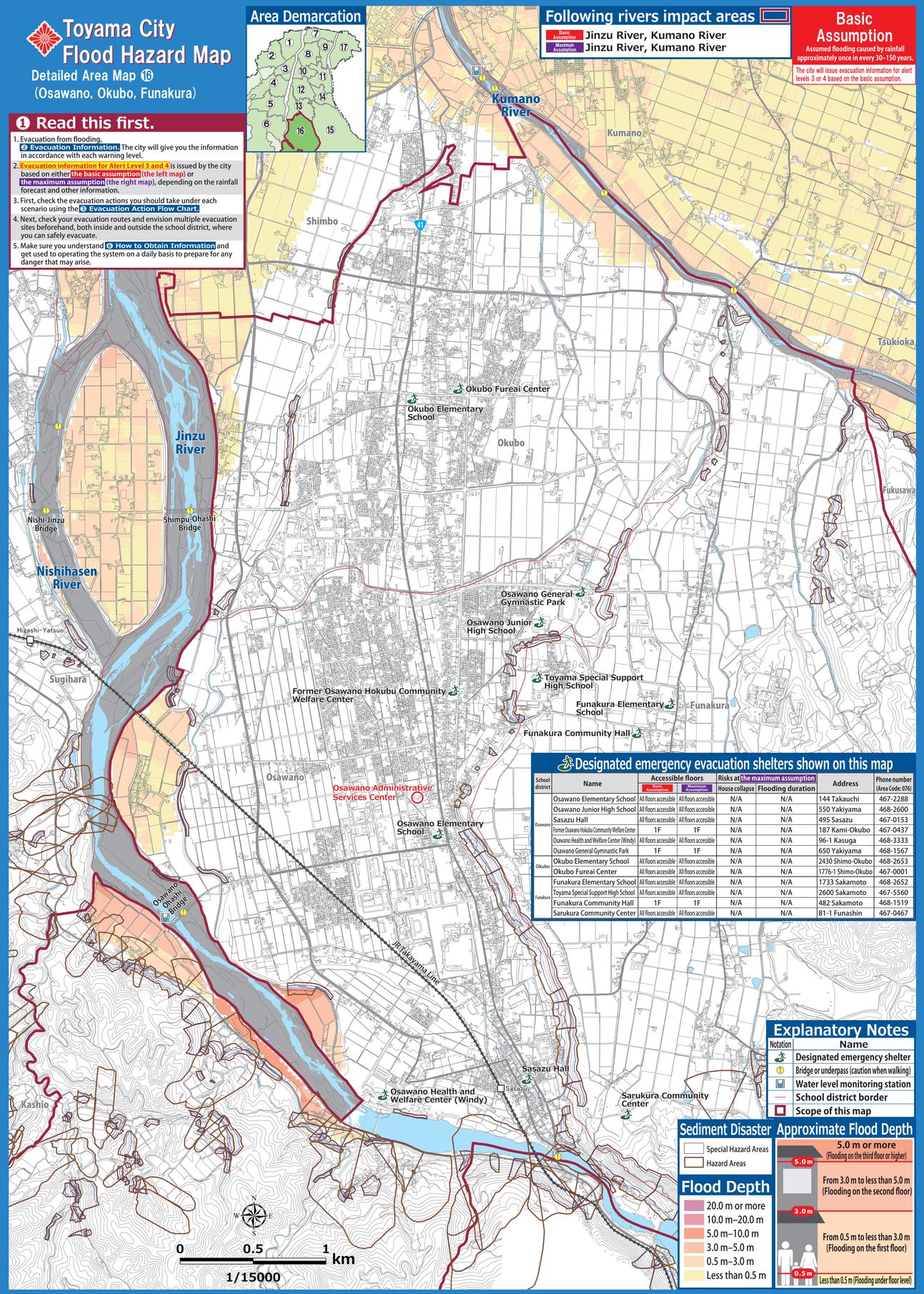
Following rivers impact areas

Basic Assumption: Jinzu River, Kumano River
Maximum Assumption: Jinzu River, Kumano River

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.



Designated emergency evacuation shelters shown on this map

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)
Osawano	Osawano Elementary School	All floors accessible	All floors accessible	N/A	N/A	144 Takauchi	467-2288
	Osawano Junior High School	All floors accessible	All floors accessible	N/A	N/A	550 Yakiyama	468-2600
	Sasazu Hall	All floors accessible	All floors accessible	N/A	N/A	495 Sasazu	467-0153
	Former Osawano Hokubu Community Welfare Center	1F	1F	N/A	N/A	187 Kami-Okubo	467-0437
	Osawano Health and Welfare Center (Windy)	All floors accessible	All floors accessible	N/A	N/A	96-1 Kasuga	468-3333
	Osawano General Gymnastic Park	1F	1F	N/A	N/A	650 Yakiyama	468-1567
Okubo	Okubo Elementary School	All floors accessible	All floors accessible	N/A	N/A	2430 Shimo-Okubo	468-2653
	Okubo Fureai Center	All floors accessible	All floors accessible	N/A	N/A	1776-1 Shimo-Okubo	467-0001
Funakura	Funakura Elementary School	All floors accessible	All floors accessible	N/A	N/A	1733 Sakamoto	468-2652
	Toyama Special Support High School	All floors accessible	All floors accessible	N/A	N/A	2600 Sakamoto	467-5560
	Funakura Community Hall	1F	1F	N/A	N/A	482 Sakamoto	468-1519
	Sarukura Community Center	All floors accessible	All floors accessible	N/A	N/A	81-1 Funashin	467-0467

Explanatory Notes

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

Sediment Disaster

Special Hazard Areas
Hazard Areas

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

Approximate Flood Depth

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

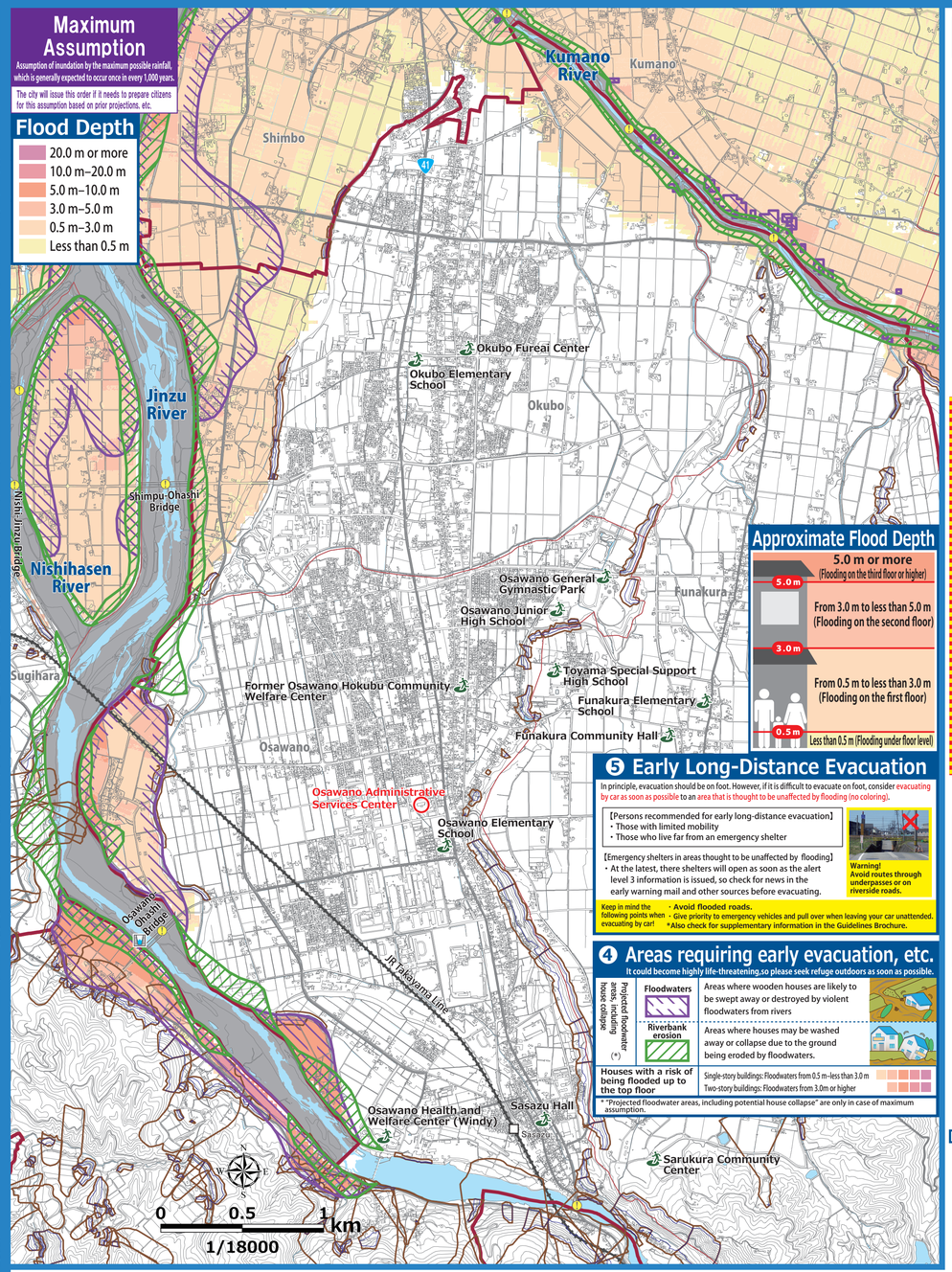
Maximum Assumption

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



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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

【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.

Warning! Avoid routes through underpasses or on riverside roads.

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.

❹ Areas requiring early evacuation, etc.

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

Projected floodwater areas, including house collapse (*)

- 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" are only in case of maximum assumption.

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: 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

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 — These emails are automatically sent to you through phones within the city limits.
- Disaster prevention administrative radio system
- Public relations vehicle

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!

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

Rainfall conditions around your house
Check only from indoors and stay away from the river.

Toyama Disaster Prevention Web
Evacuation information
Evacuation shelter information
River water levels
Rainfall figures

The Japan Meteorological Agency (JMA) website
Emergency Warning, Warning, Advisory
Tropical Cyclone Information
Risk Map etc.

Toyama City Website
Evacuation Preparations
Support for daily life after disasters

Toyama City Disaster Prevention on Facebook
@bousai.toyama
Information on emergency evacuations and 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.

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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 076-443-2225

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

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

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

- Yes → 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 → 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.)
  - No → (skip)

(2) What should I do?

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
  - Evacuate to a designated emergency shelter or other safe places → Evacuation (ground-level evacuation)
  - Seek refuge to your residence's upper floors that are unaffected by flooding → Ensure indoor safety (vertical evacuation)
  - Try to gather information and refrain from going out. → Ensure indoor safety

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