

Flood Hazard Map

Assumed Inundation Area (Maximum Assumed Scale*)

Rivers in the Yodogawa River System: Kanzakigawa River, Nakajimagawa River, Samondonogawa River, Shogogawa River, Kyu-Samondonogawa River, Koyogawa River, Kamisakabegawa River, Itamigawa River, Koyogawa River, Shortcut Waterway, Tomimatagawa River, Kyu-Inagawa River, Inagawa River, Kukogawa River, Mogawa River

Rivers in the Yomogawa River System: Yomogawa River

This flood hazard map has been prepared to help residents evacuate quickly and safely if rivers in the Yodogawa and Yomogawa river systems are expected to overflow or if they overflow.

*The "maximum assumed scale" refers to predictions made on the assumption that rivers will overflow due to the largest possible rainfall that can be expected. In an actual disaster, areas not included in the assumed inundation area may be flooded, and the results may differ from what is anticipated, so caution is required.

This map shows the following assumed inundation area maps:
Assumed Inundation Area Map (Maximum Assumed Rainfall) (May 2019)
[Prepared by] Hyogo Prefecture

Assumed rainfall
Standard conditions used for this map

For the **Kanzakigawa river system**:
392 mm over 9 hours

For the **Shogogawa river system and the Yomogawa River**:
471 mm over 6 hours

Based on the assumed rainfall, the estimated inundation area is shown in color on this map.

Amagasaki City has designated the following evacuation sites in case a disaster occurs.

A tsunami temporary evacuation area is a place where people can evacuate temporarily when a tsunami, storm surge, or flood occurs, and a tsunami warning or evacuation information is issued. These sites include public facilities as well as privately owned buildings provided through cooperation with their owners.

A designated evacuation shelter is a place where people can stay for a medium to long period if they lose their homes due to a disaster, or until the danger has passed after a disaster occurs.

A welfare evacuation shelter is a shelter intended for people who need special assistance during disasters. (This is a secondary shelter opened only when necessary during a disaster and is generally not available for use from the beginning.)

Check in advance which evacuation sites are easy for you to reach.



Walking guide

Use a coin to estimate the approximate distance and time on the map.

Measure the approximate distance and time on the map.

One 10-yen coin ≈ 400 m
23.5 mm

One 10-yen coin ≈ 14 minutes

People who have difficulty walking/infants, etc.
Approx. 0.5 m per second

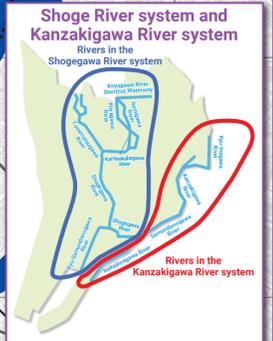
Approx. 7 minutes
Approx. 1.0 m per second

* Walking speeds are based on the "Report of the Committee for Examining Tsunami Evacuation Measures" by the Fire and Disaster Management Agency, Ministry of Internal Affairs and Communications.

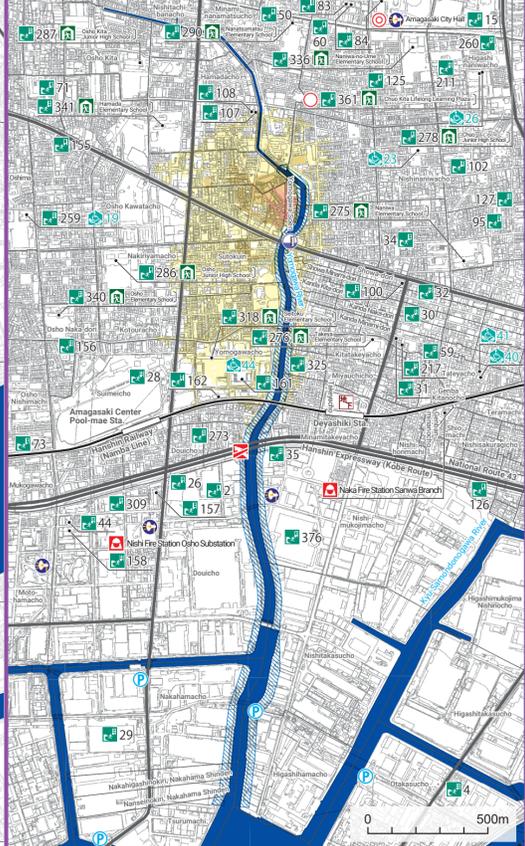
Legend

- Tsunami temporary evacuation area
 - Designated evacuation shelter
 - Welfare evacuation shelter
 - City Hall
 - Community Promotion Center
 - Police station
 - Fire station
 - Designated emergency medical facility
 - Helicopter landing site
 - Water gate
 - Flood control warehouse
 - Pump Station, etc.
 - Sewage treatment plant
 - Water level observation station
 - Disaster management radio system
 - Underground areas (parking lots, commercial facilities)
 - Underground passages/Underpasses
- Estimated inundation depth**
- 10.0 m to less than 20.0 m
 - 5.0 m to less than 10.0 m
 - 3.0 m to less than 5.0 m
 - 1.0 m to less than 3.0 m
 - 0.5 m to less than 1.0 m
 - Less than 0.5 m
- Areas where house collapse may occur due to flooding**
- House collapse (flood flow)
 - House collapse (riverbank erosion)
- Areas where, under certain conditions, intense flood flows or riverbank erosion caused by levee breaches may result in the collapse or washing away of houses.**
- Estimated inundation depth**
- 10 m to 20 m Flooding above the third floor
 - 5 m to 10 m Flooding above the second floor
 - 3 m to 5 m Flooding up to the second floor
 - 1 m to 3 m Flooding up to the first floor
 - 0.5 m to 1 m Above floor flooding
 - Less than 0.5 m No floor flooding
- Even areas without color may still be flooded. Be cautious and evacuate early.

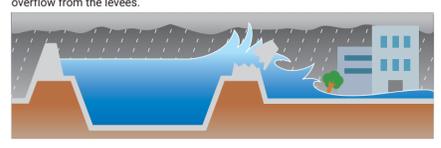
Scale: 1 : 17,000
0 500 1,000m
The grid spacing is 1 km (1,000 m).



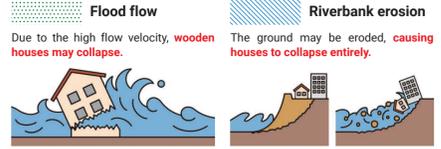
Yomogawa flood hazard map area



What is flooding (external overflow)?



Risk of house collapse



About river water levels used for evacuation decisions

For Amagasaki City's evacuation decision standards, the Yodogawa River system is based on the Odo Observation Station, and the Mukogawa River system is based on the Kobabashi and Ozone Observation Stations.

Water level	River name (observation point)	Yodogawa River System (Odo)	Mukogawa River System (Kobabashi)	Mukogawa River System (Ozone)
Flood danger level		4.00m	5.20m	6.00m
Evacuation decision level		3.40m	4.10m	4.70m
Flood warning level		2.50m	3.20m	4.00m

The meanings of the water level categories are shown below. Use them as a guide for evacuation actions.

- Flood danger level**: The levels used as guidelines for issuing evacuation orders.
- Evacuation decision level**: The water level used as a guideline for issuing evacuation information for the elderly, etc.
- Flood warning level**: The level at which the flood control team prepares for mobilization and issues flood warnings.

Water level information for each river can be checked on the following website:
Amagasaki City Water levels at each location

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