



Disaster	River	Scenario conditions	Released	Contact Information	Telephone number
River flooding	① Yodogawa River	24-hour total rainfall: 360 mm/hour	Probable maximum precipitation (Likelihood: about 1/1,000 years)	Jun. 2017	Yodogawa River Office, Kinki Regional Development Bureau, MLIT 072-843-2861
	② Yamato River	12-hour total rainfall: 316 mm/hour	Probable maximum precipitation (Likelihood: about 1/1,000 years)	May 2016	Yamatogawa River Office, Kinki Regional Development Bureau, MLIT 072-971-1381
	Higashiyoko and Nishiyoko Rivers	24-hour total rainfall: 904.1 mm/hour	Maximum rainfall: 102.5 mm/hour	Nov. 2019	Tondabayashi Civil Engineering Office, Osaka Prefecture 0721-25-1131
	Ishikawa River	24-hour total rainfall: 724 mm/hour	Maximum rainfall: 195.5 mm/hour	Jan. 2021	Probable maximum precipitation (Likelihood: 1 more than 1,000 years)
	Kanzaki River	24-hour total rainfall: 737 mm/hour	Maximum rainfall: 81.1 mm/hour	Jan. 2020	Nishi Osaka Flood Control Office, Osaka Prefecture 06-6541-7771
	Tenjiku River	24-hour total rainfall: 1,150 mm/hour	Maximum rainfall: 142.6 mm/hour	Jan. 2020	Ikeda Civil Engineering Office, Osaka Prefecture 072-752-4111
	Taka River	24-hour total rainfall: 1,150 mm/hour	Maximum rainfall: 145.4 mm/hour	Jan. 2020	Ikeda Civil Engineering Office, Osaka Prefecture 072-752-4111 072-627-1121
	Ai River	24-hour total rainfall: 776 mm/hour	Maximum rainfall: 189 mm/hour	Mar. 2020	Ibaraki Civil Engineering Office, Osaka Prefecture 072-627-1121
High tide	④ Neyagawa, Daini-Neyagawa, and Hirano Rivers, Hirayagawa-bunairo Channel, Furukawa River	24-hour total rainfall: 683 mm/hour	Maximum rainfall: 138.1 mm/hour	Mar. 2019	Neyagawa River Basin Flood Control Office, Osaka Prefecture 06-6962-7661
	⑤ High tide	Scenario in which the central pressure is 910 hPa (Muroto Typhoon level), radius of maximum cyclogenetic wind speed is 75 km (Isewan Typhoon level), traveling speed is 73 km/h, and the path is the same as that of Muroto Typhoon	24-hour total rainfall: 549 mm/hour	Aug. 2020	Person in charge of emergency management, Port & Harbor Bureau, Osaka City 0725-21-7246
Inland flooding	⑥ Inland flooding	24-hour total rainfall: 147 mm/hour	Maximum rainfall: 147 mm/hour	Mar. 2021	Probable maximum precipitation (Likelihood: about 1/1,000 years)
Tsunami	⑦ Nankai and Nankai earthquake and tsunami	Scenario in which an earthquake with a magnitude of around 8.6 occurs, causing flooding due to a tsunami, and tide gates (those open at night), etc. did not close (high tide assumed)	24-hour total rainfall: 147 mm/hour	Mar. 2021	Probable maximum precipitation (Likelihood: about 1/1,000 years)
	⑧ Nankai Trough mega earthquake and tsunami	Scenario in which an earthquake with a magnitude of around 9.1 occurs, causing flooding due to a maximum class tsunami (breakwater and opening/closing of tidal barriers taken into account) (high tide assumed)	24-hour total rainfall: 147 mm/hour	Aug. 2013	Planning Section, Port & Harbor Bureau, Osaka City 06-6615-7782 Disaster Prevention Planning Division, Office of Emergency Management, Osaka Prefecture 06-6944-6487

Creator of this pamphlet: Office of Emergency Management, Osaka City (Tel: 06-6208-7384)

This pamphlet is also available for view on the official website of the Office of Emergency Management, Osaka City.

<https://www.city.osaka.lg.jp/kikikanrishi/>

Mar. 2021

## Transmission of information

Receiving Information

Bosai Information Mail

Must preregister

Emergency Warning E-mail

Yahoo! disaster prevention bulletin app

How information is communicated

City residents

Efforts to diversify disaster information communication means

Finding Information

- If outdoor emergency speaker broadcasts could not be heard: call the Government Disaster Wireless Telephone Service (06-6210-3899), charges apply.
- In times of disaster, switch your TV to NHK and press the "d" button for data broadcasting to view evacuation advisories, if evacuation shelters are open, and other information.

Osaka Disaster Prevention Net

Disaster Information for River (Ministry of Land, Infrastructure, Transport and Tourism)

River Disaster Management Information (River Office, Osaka Prefecture)

Japan Meteorological Agency

Osaka City Rainfall Information

Osaka Safe Travels

Emergency Siren Patterns(Outdoor emergency speaker)

Type of emergency

Siren (alarm) pattern

Major tsunami warning

Tsunami warning

Warning Level 5

Warning Level 4

Earthquake early warning<sup>1</sup> (Seismic intensity of 5-lower or more)

Chime sound of earthquake early warning

More information

Website of Office of Emergency Management, Osaka City

## Safety Confirmation Message Services

Disaster Emergency Message Dial 171

You can record or play messages in times of disaster.

Call

Press 1

Press 2

Disaster Emergency Message Board

It can be accessed if internet connection is available in times of disaster.

Web171(NTT)

SoftBank / Y!mobile

au(KDDI)

NTT docomo

J-anpi for one-stop searches of all safety status information

\* Disaster Emergency Message Boards become available when a major disaster occurs. For service details, please see the explanation provided by NTT and the respective mobile phone companies.

## What is My Timeline?

My Timeline provides an opportunity to prepare for wind and flood disasters, such as heavy rains and typhoons, and plan in advance how to escape using your own evacuation route while giving due consideration to the circumstances or evacuation behavior of each family member. Creating a schedule that summarizes who does what and when will help you act in an appropriate manner in the event of an emergency.

## Family Evacuation Plan When heavy rain could cause river flooding

1 Evacuation place

Determine where you will evacuate to and write it down.

Determine all ① to ③ evacuation places that you will evacuate to depending on the situation.

2 Plan what to do until you start evacuating.

3 Fill in when you will start evacuating and when you will do what.

Collect information

Check weather and evacuation information

Prepare for evacuation

Contact and call out

Miscellaneous

After evacuating

After evacuating, inform your family and other important people that you have evacuated safely

Family meeting place

It is extremely dangerous to leave or relocate from your evacuation place before the evacuation information is lifted.

## When a record typhoon is approaching(High tide)

Disaster Information(Warning Level)

Actions to Protect Yourself

Warning Level 1

Warning Level 2

Warning Level 3

Warning Level 4

Warning Level 5

Evacuation Precautions

Go to a place higher than flood level

Driving or evacuating in strong wind is dangerous

Higher than flood level

## When a tsunami strikes

How Will You Evacuate?

Move to an inundation-free place as soon as possible.

Upon feeling earthquake tremors or receiving a tsunami warning, evacuate to an inundation-free place as soon as possible.

Evacuation Precautions

Upon feeling massive or slow earthquake tremors, move away from the beach or river as soon as possible.

Remain at the safe place until the tsunami warning is canceled.

Tsunami Information

Estimated maximum tsunami height

Warning name

Your responses

Taisho Ward

Save

Protect Yourself from Flooding and Tsunami!

How to Use this Hazard Map

How to Use 1 Check the disaster risks for your neighborhood

How to Use 2 Determine when and where to evacuate to for each type of disaster

How to Use 3 Check your daily preparedness by making use of the information in here and My Timeline to protect yourself

Evacuation and meeting place

Determine and write down the evacuation and meeting places by type of disaster.

Emergency contact information

Disaster Information(Warning Level)

Actions to Protect Yourself

Evacuation Precautions

It is dangerous to go outside in torrential rain or to flooded areas

As a rule, evacuate on foot

Do not use flooded roads

Manhole

Image