

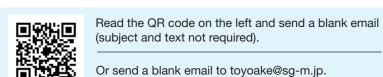


Facebook

Hazard Maps

Toyoake City mail distribution service Toyoake City official social media

This is a service to send disaster prevention information and other Scan the QR codes below to check the Toyoake City notices from the city by email to registered users' mobile phones official social media to receive disaster prevention and other devices. Anyone can register for free. We hope you will information. use this service.



Use the QR code reader in the LINE app to read the LINE QR code.

Broadcast radio

Toyoake City website

https://www.city.toyoake.lg.jp/

Useful information Collect disaster information yourself and evacuate voluntarily if you feel that you are in danger.

Information on weather warnings, etc. can be checked on the top page when they are issued. **Disaster Prevention Information Center, Ministry** of Land, Infrastructure, Transport and Tourism

Disaster prevention information held by the Ministry of Land, Infrastructure, Transport and Tourism is consolidated and provided in an easy-to-understand format.

Aichi Prefecture Disaster Prevention Information on Rivers

https://www.kasen-aichi.jp/
You can check rainfall in the prefecture, water levels, and river camera images of the prefectural-managed river

TEL 0562-92-7811 By calling this number, you can listen to the broadcast radio. (Calling charges apply.)

Information on River Water Levels in Toyoake City

''annw.city.toyoake.lg.jp/5134.htm

'arals in the city.

Disaster message services "171" & "web171"

NTT Disaster Message Dial Service is provided when an earthquake or other disaster causes an increase in communications

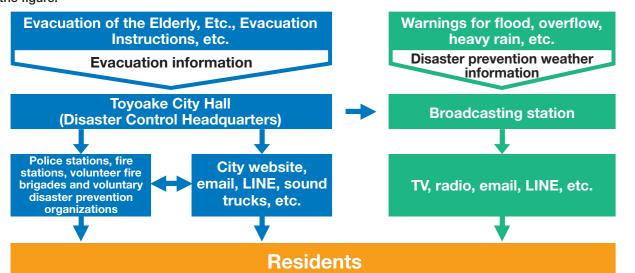
to the disaster-stricken areas, making it difficult to make phone calls. A voice message board connecting the disaster-stricken area and other areas

The safety of family members and others can be confirmed through the Internet. **Disaster Message Board web171** Disaster Message Dial 171 Follow the guidance for use. Follow the instructions on the screen.

Toyoake City Hall TEL 0562-92-1111 URL https://www.city.toyoake.lg.jp/

Information communication flow

Evacuation Instructions and other evacuation information will be communicated to residents in accordance with the flow shown in the figure.



Wind and flood damage prevention measures inside and outside the house

Be sure to take adequate measures on a daily basis.

Outside the house

rainwater drainage.

Are the rain gutters clogged with fallen leaves or sediment? Are there any dislodged joints, peeling paint or rot? Are the sliding shutters rattling or loose?

Potted plants, clotheslines, and other items that are likely to scatter should be moved indoors. Are there any cracks in the window glass? Are the window frames rattling? Also, to protect against flying objects due to strong winds, cover the windows with boards from the

outside or take other measures. Are the roof tiles cracked, broken or misaligned? Do galvanized iron sheets come off the roof?

Are the mortar walls cracked? Are the boarded walls rotten or loose? Are the propane gas cylinders secured? Remove trash and sediment from gutters to improve

Are there any cracks or damaged areas on the site?

Inside the house

Prepare a flashlight and portable radio in case of a power

 Prepare an emergency survival kit containing valuables and other items in case of evacuation.

provided by the city. Do not go out unnecessarily. Secure drinking water and other supplies in case of a suspension of water supply, etc.

Pay attention to weather information and information

If there is a possibility of flooding in your home, move food, clothing, bedding and other household goods to a higher location.

 Evacuate the elderly, children, sick persons and other people in need as soon as possible. Press the "d" button on the TV remote control to watch data broadcasting.

Evacuation tips in the event of flooding

In the event of an increased likelihood of a storm, flood or other disaster, take action to protect your life (= evacuation action). Evacuation action includes the following four actions. Identify dangerous areas for each type of disaster and determine in

Evacuation outside the house

(1) Movement to an evacuation site or shelter (2) Movement to a safe place other than an evacuation site or shelter (e.g., a relative's or friend's house)

(3) Movement to a taller or stronger building, etc. in the

neighborhood



Normally, evacuation actions in areas where flooding exceeds 50 cm are dangerous. When the water flow is strong, evacuation actions even in areas where flooding is 15 cm deep can be dangerous.

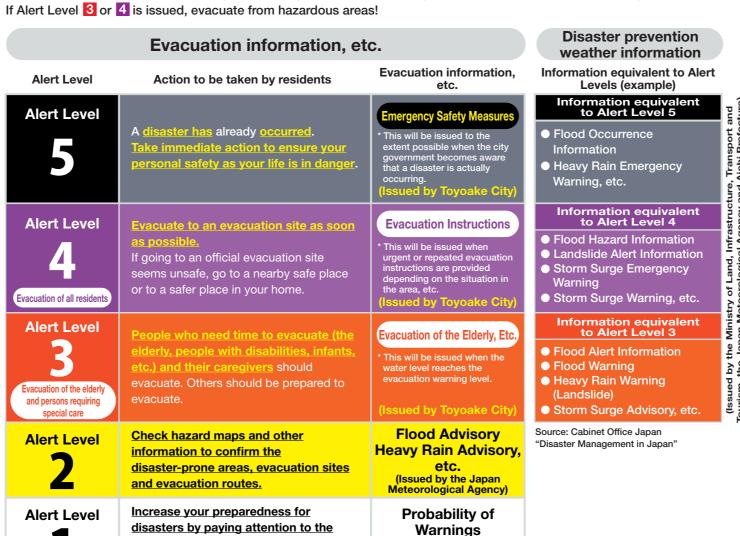
Sheltering indoors

(4) Movement to a safer location in the building (e.g., a higher location) and staying there



What is the Alert Level?

The Alert Level is information to help you intuitively understand the danger level of a disaster and the action you should take.



Evacuation information is not necessarily issued in the order of Alert Levels 1 to 5. The situation may change suddenly.

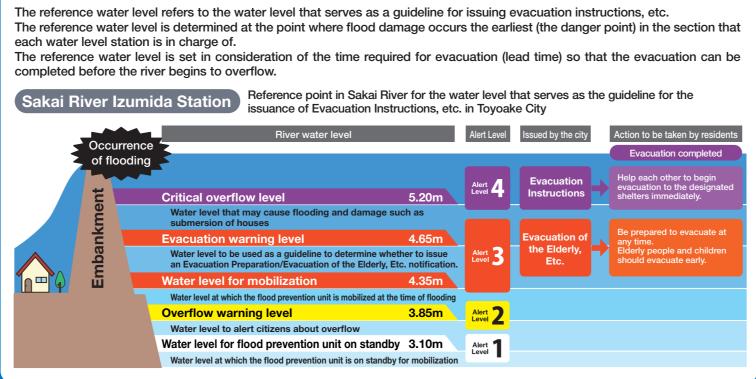
Reference water level and evacuation instructions

latest disaster prevention and weather

information, etc.

The reference water level refers to the water level that serves as a guideline for issuing evacuation instructions, etc.

(Issued by the Japan



Precautions when you have no choice but to walk through floodwaters

 The standard walking depth is up to
 Even in shallow water, fast currents can
 When you are with an elderly or 50 cm for adults. If the water is deeper be very dangerous. Do not force yourself disabled person, carry him or her on than that, wait for rescue.

be sucked into a manhole unnoticed.

Do not use an umbrella; wear a raincoa

Carry the emergency survival kit in a

ear athletic shoes that can be

urely fastened with laces.

Walking barefoot or in boots is dangerous

to evacuate, and wait for rescue.











your back to evacuate.

Measures against infection If you evacuate to a shelter, in addition to food and water, **Daily preparedness** bring masks, a thermometer, disinfectant, etc., and be sure to take measures against infectious diseases, such as ensuring

Prepare an emergency survival kit.



















If only flooding from river waters occurs in the event of a heavy rainfall that occurs about once every 1,000 years (total rainfall of 760 mm in 24 hours)

Evacuation action determination flow

Start!

Is the place where your house is

located colored?

As a general rule,* you are required

to the danger of a disaster.

to evacuate outside your home due Exception

Do you have any relatives or

acquaintances who live in a safe place and

can shelter you?

1. (Arrange this

the above evacuation

nformation is issued.

lesignated by Toyoak

What evacuation action should you take?

Check the hazard map to see where your house is located and mark it.

Will you or persons evacuating with you take longer to evacuate?

Even if it is not colored, if you live on land that

is lower than the surrounding area or near a

cliff, evacuate as necessary by referring to the

evacuation information issued by Toyoake City.

* Even if there is a danger of flooding, you can

stay in your home and ensure your safety in the

(1) When your house is located outside the area

where there is a high risk of collapse of

(2) When you are higher than the height of the

supplies, even if your house is floo

Do you have any relatives or acquaintances who live in a safe place and

can shelter you?

Alert Level

ignated by Toyoak

(Source: Cabinet Office website)

(3) When you can endure until the water recedes

or when you have sufficient water and food

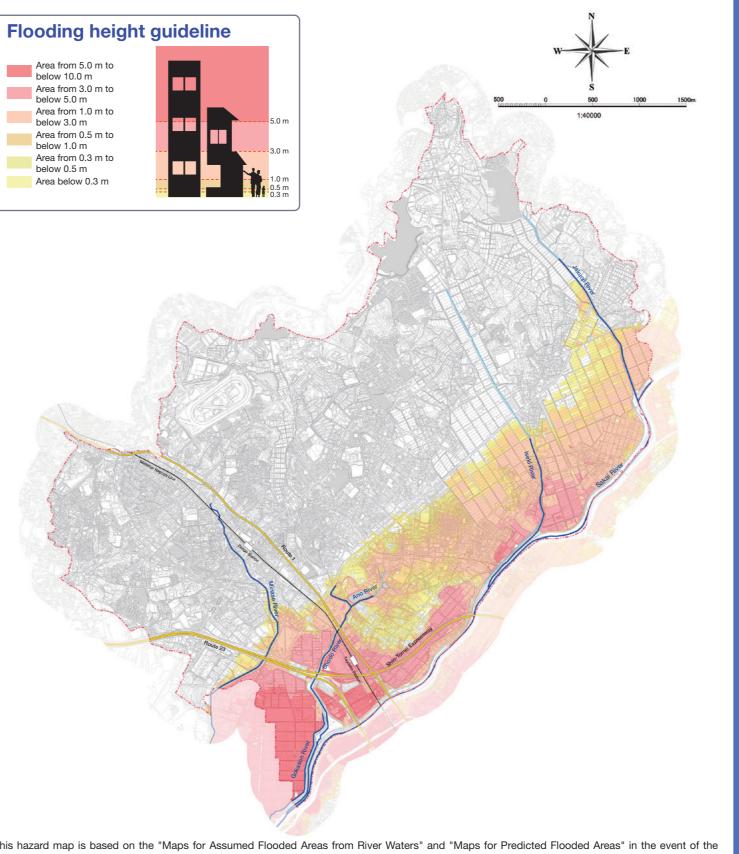
following cases:

Alert Level

houses due to flooding

(Assumed flooded areas from river waters published by Aichi **Prefecture based on the Flood Control Act)**

This hazard map shows the most dangerous flooding conditions (extent and depth of flooding) that could occur if the Sakai River, which is managed by Aichi Prefecture, swells, overflows, or bursts its banks in the event of the heaviest rainfall foreseeable (occurring about once every 1000 years).

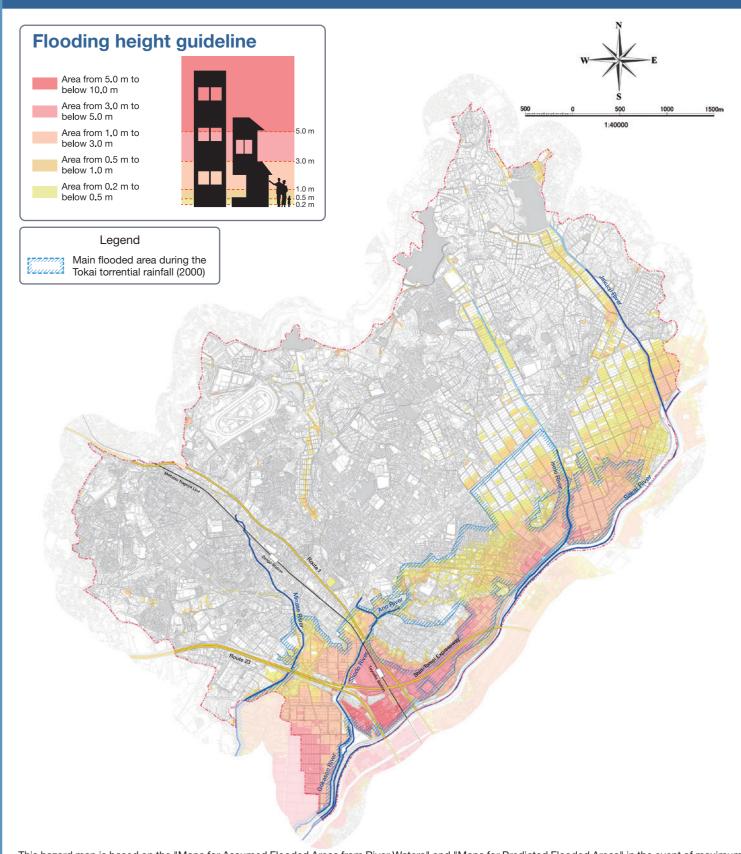


This hazard map is based on the "Maps for Assumed Flooded Areas from River Waters" and "Maps for Predicted Flooded Areas" in the event of the expected maximum rainfall, prepared by Aichi Prefecture. The Maps for Predicted Flooded Areas show a wider area of flooding than the area shown by the Maps for Assumed Flooded Areas from River Waters, as they are prepared in consideration of overflows outside the designated sections of the Maps for Assumed Flooded Areas from River Waters under the Flood Control Act and floodwater from branch rivers.

Reservoir Hazard Maps Toyoake City, the flooding height, flow velocity and arrival time of flooding in the event of a reservoir collapse are disclosed for bu can view the Toyoake City Reservoir Hazard Maps from the link below. Use this information as a reference when checking the safety of your community. A disaster prevention priority reservoir is a reservoir that may cause human casualties, since houses, public facilities, etc. are ocated in the flooded area in the event of a rupture. Chokushi-ike Pond ara-ike Pond Nigori-ike Pond Tenpaku-ike Pond Aramaki-ike **Pond** Jwaike / Shitaike Okura-ike Pond Obara-ike Pond Michi-ike Pond Mitsu-ike Pond Pond and **Reservoir Hazard Maps** Chokenji-ike Tovoake City Disaster Prevention Priority Reservoir Maps Search

If flooding from river waters and inland waters occur simultaneously in the event of a heavy rainfall that occurs about once every 100 years (total rainfall of 411 mm in 24 hours)

This hazard map shows the flooding conditions (extent and depth of flooding) if flooding from waters from Class B rivers, law applicable rivers and ordinary rivers, and flooding from inland waters, which is caused by the inability of waterways and sewers to drain water, occur simultaneously in the event of a presumed heavy rainfall (occurring about once every 100 years).



This hazard map is based on the "Maps for Assumed Flooded Areas from River Waters" and "Maps for Predicted Flooded Areas" in the event of maximum expected rainfall, prepared by Aichi Prefecture, and the maps for the assumed flooded areas from waters from law applicable rivers and ordinary rivers and the assumed flooded areas from inland waters in the event of maximum expected rainfall, prepared by Toyoake City.

Toyoake City Flooding and Landslides **Hazard Maps**



Revised in March 2022

Toyoake City mail distribution service

This is a service to send disaster prevention information and other notices from the city by email to registered users' mobile phones and other devices. Anyone can register for free. We hope you will use this service.



Read the QR code on the left and send a blank email (subject and text not required).

Or send a blank email to toyoake@sg-m.jp.

Toyoake City official social media

Scan the QR codes below to check the Toyoake City official social media to receive disaster prevention information.







^{*} Use the QR code reader in the LINE app to read the LINE QR code.

Broadcast radio

If you missed listening to the radio.. **Automatic Answer Telephone**

Broadcast Radio Dial TEL 0562-92-7811 By calling this number, you can listen to broadcast radio. (Calling charges apply.) By calling this number, you can listen to the

Useful information

Collect disaster information yourself and evacuate voluntarily if you feel that you are in danger.

Toyoake City website

https://www.city.toyoake.lg.jp/

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Aichi Prefecture Disaster Prevention Information on Rivers

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You can check rainfall in the prefecture, water levels, and river camera images of the prefectural-managed river



Disaster Prevention Information Center, Ministry of Land, Infrastructure, Transport and Tourism

https://www.mlit.go.jp/saigai/bosaijoho/

Disaster prevention information held by the Ministry of Land, Infrastructure, Transport and Tourism is consolidated and provided in an easy-to-understand format.



Information on River Water Levels in Toyoake City

https://www.citv.tovoake.lg.ip/5134.htm

You can check river water levels in the city.



■ Disaster message services "171" & "web171"

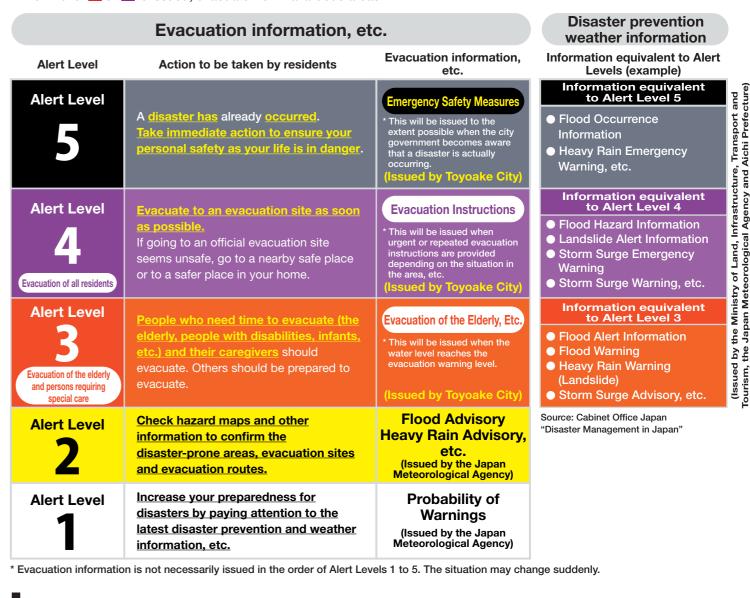
NTT Disaster Message Dial Service is provided when an earthquake or other disaster causes an increase in communications to the disaster-stricken areas, making it difficult to make phone calls.

A voice message board connecting the disaster-stricken area and other areas **Disaster Message Dial 171** Follow the guidance for use.

The safety of family members and others can be confirmed through the Internet. Disaster Message Board web171 Follow the instructions on the screen.

■ What is the Alert Level?

The Alert Level is information to help you intuitively understand the danger level of a disaster and the action you should take. If Alert Level 3 or 4 is issued, evacuate from hazardous areas!



Reference water level and evacuation instructions

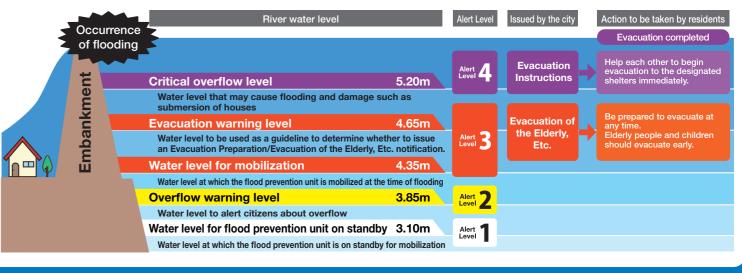
The reference water level refers to the water level that serves as a guideline for issuing evacuation instructions, etc.

The reference water level is determined at the point where flood damage occurs the earliest (the danger point) in the section that each water level station is in charge of.

The reference water level is set in consideration of the time required for evacuation (lead time) so that the evacuation can be completed before the river begins to overflow.



Reference point in Sakai River for the water level that serves as the guideline for the issuance of Evacuation Instructions, etc. in Toyoake City



Evacuation action determination flow

What evacuation action should you take?

Start!

Check the hazard map to see where your house is located and mark it.



Is the place where your house is located colored?



Even if it is not colored, if you live on land that is lower than the surrounding area or near a cliff, evacuate as necessary by referring to the evacuation information issued by Toyoake City.



As a general rule,* you are required to evacuate outside your home due to the danger of a disaster.



* Even if there is a danger of flooding, you can stay in your home and ensure your safety in the following cases:

- (1) When your house is located outside the area where there is a high risk of collapse of houses due to flooding
- (2) When you are higher than the height of the floodina
- (3) When you can endure until the water recedes or when you have sufficient water and food supplies, even if your house is flooded

Will you or persons evacuating with you take longer to evacuate?



Do you have any relatives or acquaintances who live in a safe place and can shelter you?





Alert Level

If the above evacuation information is issued, <u>ake shelter in a relative'</u> or acquaintance's hous ocated in a safe ocation. (Arrange this beforehand.)

Alert Level

If the above evacuation information is issued, evacuate to an evacuation shelter designated by Toyoake City.



Do you have any relatives or acquaintances who live in a safe place and can shelter you?

Yes



Alert Level

If the above evacuation information is issued, <u>ke shelter in a relative</u> cation. (Arrange this beforehand.)

Alert Level

If the above evacuation information is issued, designated by Toyoake City.

(Source: Cabinet Office website)

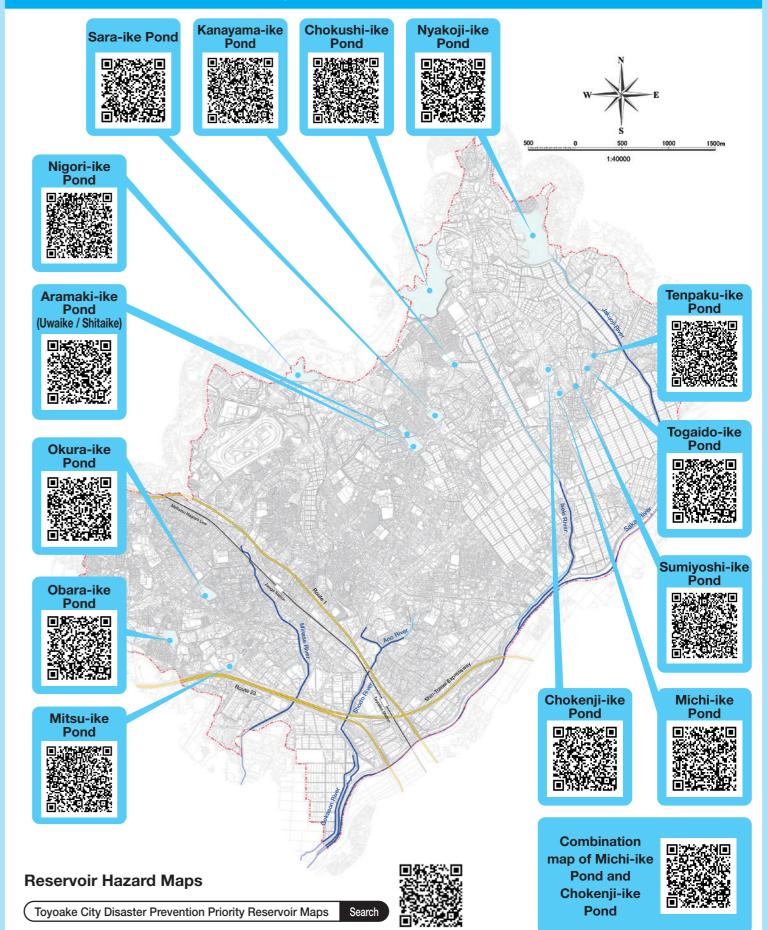
Reservoir Hazard Maps

In Toyoake City, the flooding height, flow velocity and arrival time of flooding in the event of a reservoir collapse are disclosed for disaster prevention priority reservoirs.

You can view the Toyoake City Reservoir Hazard Maps from the link below.

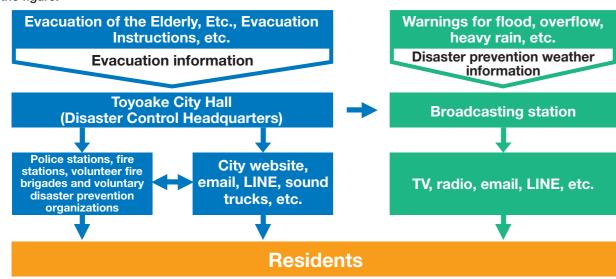
Use this information as a reference when checking the safety of your community.

* A disaster prevention priority reservoir is a reservoir that may cause human casualties, since houses, public facilities, etc. are located in the flooded area in the event of a rupture.



Information communication flow

Evacuation Instructions and other evacuation information will be communicated to residents in accordance with the flow shown in the figure.



Wind and flood damage prevention measures inside and outside the house

Be sure to take adequate measures on a daily basis.

Outside the house

- Are the rain gutters clogged with fallen leaves or sediment? Are there any dislodged joints, peeling paint or rot?
- Are the sliding shutters rattling or loose?
- Potted plants, clotheslines, and other items that are likely to scatter should be moved indoors.
- Are there any cracks in the window glass? Are the window frames rattling? Also, to protect against flying objects due to strong winds, cover the windows with boards from the outside or take other measures.
- Are the roof tiles cracked, broken or misaligned? Do galvanized iron sheets come off the roof?
- Are the mortar walls cracked? Are the boarded walls rotten or loose? Are the propane gas cylinders secured?
- Remove trash and sediment from gutters to improve rainwater drainage.
- Are there any cracks or damaged areas on the site?

Inside the house

- Prepare a flashlight and portable radio in case of a power failure.
- Prepare an emergency survival kit containing valuables and other items in case of evacuation.
- Pay attention to weather information and information provided by the city.
- Do not go out unnecessarily.
- Secure drinking water and other supplies in case of a suspension of water supply, etc.
- If there is a possibility of flooding in your home, move food, clothing, bedding and other household goods to a higher location.
- Evacuate the elderly, children, sick persons and other people in need as soon as possible.
- Press the "d" button on the TV remote control to watch data broadcasting.

Evacuation tips in the event of flooding

In the event of an increased likelihood of a storm, flood or other disaster, take action to protect your life (= evacuation action). Evacuation action includes the following four actions. Identify dangerous areas for each type of disaster and determine in advance what action to take.

Evacuation outside the house

- (1) Movement to an evacuation site or shelter
- (2) Movement to a safe place other than an evacuation site or shelter (e.g., a relative's or friend's house)
- (3) Movement to a taller or stronger building, etc. in the neighborhood

If the floodwaters become nearly knee-deep during evacuation!

Evacuate to a nearby tall building or other shelter!



Normally, evacuation actions in areas where flooding exceeds 50 cm are dangerous. When the water flow is strong, evacuation actions even in areas where flooding is 15 cm deep can be dangerous.

Sheltering indoors

(4) Movement to a safer location in the building (e.g., a higher location) and staying there

If you are at home and the floodwaters



Precautions when you have no choice but to walk through floodwaters

Even in shallow water, fast currents can

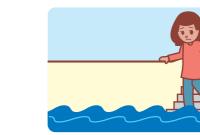
to evacuate, and wait for rescue.

be very dangerous. Do not force yourself

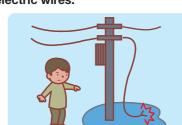
 The standard walking depth is up to 50 cm for adults. If the water is deeper than that, wait for rescue.



● In the case of deep flooding, you could ● Stay away from dangerous be sucked into a manhole unnoticed.



places/objects, such as severed electric wires.



Do not use an umbrella; wear a raincoat

Carry the emergency survival kit in a backpack.

Wear athletic shoes that can be securely fastened with laces.

Walking barefoot or in boots is dangerous.





When you are with an elderly or disabled person, carry him or her on your back to evacuate.

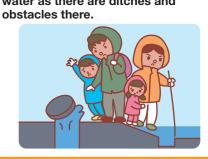


 Since water from flooding is mixed with sewage, do not touch it unnecessarily.



Use a long stick as a cane and walk while checking for safety.

It is dangerous below the surface of water as there are ditches and



Wear work gloves (or ordinary gloves)

Daily preparedness

Prepare an emergency survival kit.



(3 L per person pe

Drinking water















social distancing.

Milk, baby bottles

and diapers



Measures against infection

If you evacuate to a shelter, in addition to food and water,

Glasses and other

items essential to

bring masks, a thermometer, disinfectant, etc., and be sure to take measures against infectious diseases, such as ensuring















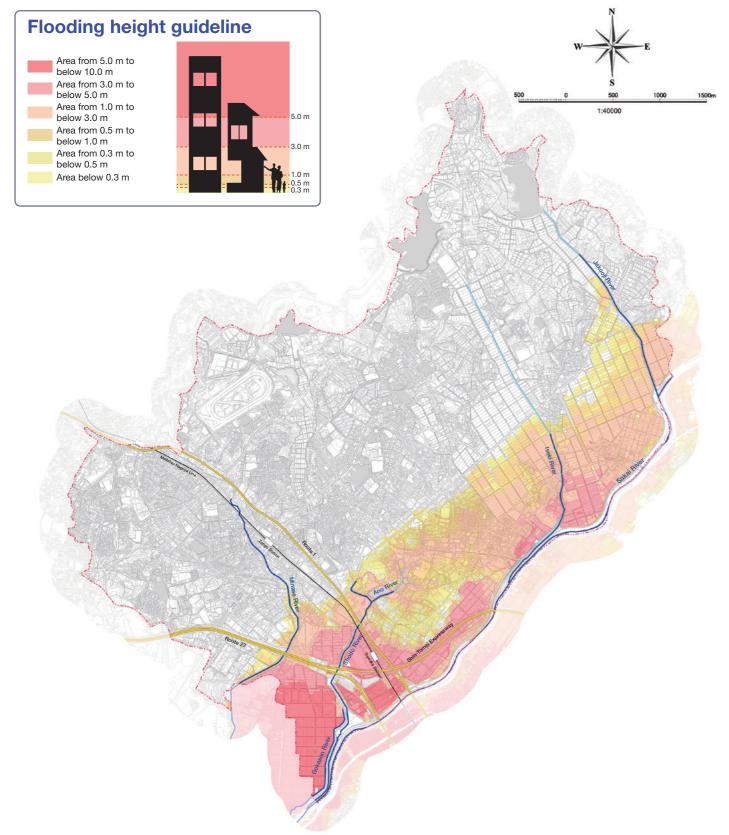




If only flooding from river waters occurs in the event of a heavy rainfall that occurs about once every 1,000 years (total rainfall of 760 mm in 24 hours)

(Assumed flooded areas from river waters published by Aichi Prefecture based on the Flood Control Act)

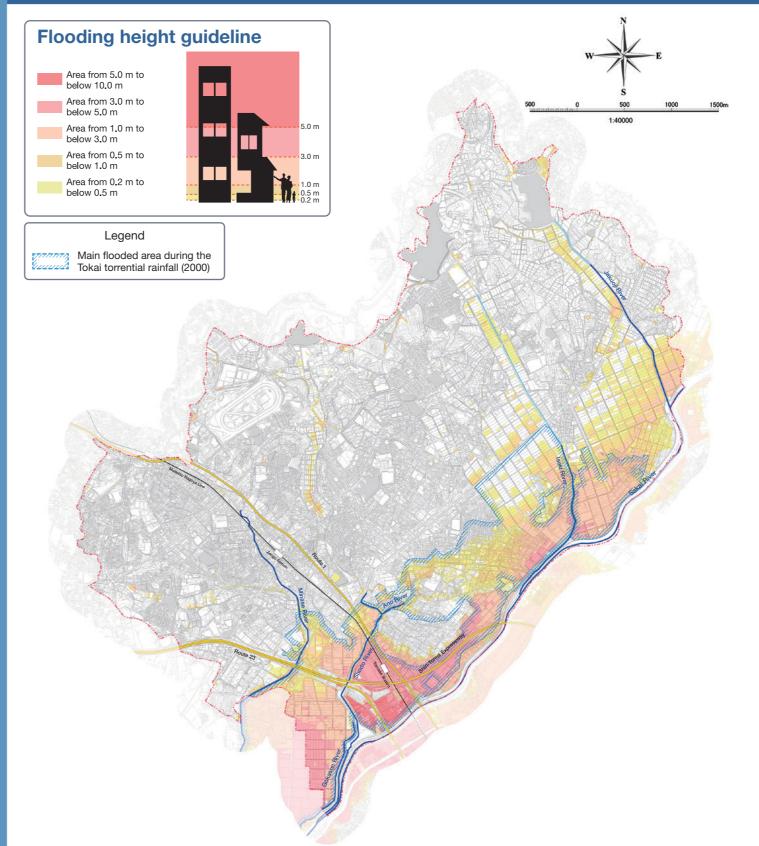
This hazard map shows the most dangerous flooding conditions (extent and depth of flooding) that could occur if the Sakai River, which is managed by Aichi Prefecture, swells, overflows, or bursts its banks in the event of the heaviest rainfall foreseeable (occurring about once every 1000 years).



This hazard map is based on the "Maps for Assumed Flooded Areas from River Waters" and "Maps for Predicted Flooded Areas" in the event of the expected maximum rainfall, prepared by Aichi Prefecture. The Maps for Predicted Flooded Areas show a wider area of flooding than the area shown by the Maps for Assumed Flooded Areas from River Waters, as they are prepared in consideration of overflows outside the designated sections of the Maps for Assumed Flooded Areas from River Waters under the Flood Control Act and floodwater from branch rivers.

If flooding from river waters and inland waters occur simultaneously in the event of a heavy rainfall that occurs about once every 100 years (total rainfall of 411 mm in 24 hours)

This hazard map shows the flooding conditions (extent and depth of flooding) if flooding from waters from Class B rivers, law applicable rivers and ordinary rivers, and flooding from inland waters, which is caused by the inability of waterways and sewers to drain water, occur simultaneously in the event of a presumed heavy rainfall (occurring about once every 100 years).



This hazard map is based on the "Maps for Assumed Flooded Areas from River Waters" and "Maps for Predicted Flooded Areas" in the event of maximum expected rainfall, prepared by Aichi Prefecture, and the maps for the assumed flooded areas from waters from law applicable rivers and ordinary rivers and the assumed flooded areas from inland waters in the event of maximum expected rainfall, prepared by Toyoake City.