

Yokkaichi shi Hazard Map

Tenpaku Gawa Suikei Tenpaku Gawa Kabake Gawa Flood

July 2022

Protect Your Life

Not only evacuation shelters

Evacuate and respond flexibly

based on the situation

Plan your evacuation location, which may be your home or a relative/friend's home (if risk of flooding is low)

It is up to you to save your life!

Find on Escape Map and fill in the following.

Place for early evacuation Prior to an evacuation alert or strong rain/wind

A relative/friend's home, evacuation shelter, etc. in non-inundated area

(Write here)

Place to evacuate to if did not escape in time If going outside is dangerous

Tall and sturdy building where you can stay after flooding

(Write here)

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Anticipated disasters in addition to the overflowing of the Tenpaku Gawa and Kabake Gawa.

This map is colored based on the Tenpaku Gawa Suikei, Mitaki Gawa Suikei, Kaizo Gawa Suikei, and Suzuka Gawa Suikei Flood-Prone Area Maps, Storm Surge-Prone Area Maps, and Sediment Disaster Warning Area Maps.

Use the Awareness Map to

Check how the disasters will affect you

Awareness Map

Areas in this color are areas at risk for inundation due to the overflowing of the Tenpaku Gawa and Kabake Gawa. If rain fell in the Tenpaku Gawa Ryuyuki totaling 829 mm in 24 hours.

Areas in this color are areas at risk for inundation due to the overflowing of the Kabake Gawa. If rain fell in the Tenpaku Gawa Ryuyuki totaling 829 mm in 24 hours.

Areas in this color are areas at risk for inundation due to the overflowing of the Kaizo Gawa and its tributaries.

Areas at risk for inundation due to the overflowing of the Mitaki Gawa and its tributaries and the Kaizo Gawa and its tributaries.

Areas at risk for inundation due to the overflowing of the Suzuka Gawa, Suzukagawa Hason, Utsube Gawa, Kamotani Gawa, and Ashimi Gawa.

Areas at risk for inundation due to the overflowing of reservoirs.

Areas at risk for inundation due to storm surge flooding from the line to the sea.

Areas at risk for inundation due to the overflowing of the Tenpaku Gawa, Suzuka Gawa, Suzukagawa Hason, and Utsube Gawa.

Unforeseen events are inevitable in disasters. The overflowing of rivers is not the only disaster. Areas that are not colored also face risks, such as water accumulation due to poor drainage caused by heavy rain.

Please act on your own judgment if you sense danger; do not feel bound by this scenario.

Collect information proactively

If an approaching typhoon or heavy rain due to low pressure, etc. is anticipated, weather and various other information will be announced. Make sure you stay informed and do not miss important information.

Information Channels

Yokkaichi shi Saigai Taisaku Honbu

TV Radio, Email Internet, App, Disaster administrative radio system, Sound truck, Announcements by neighborhood associations, etc.

Residents

Information Sources

Internet

Weather information, precipitation, river water level, tide level

Yokkaichi shi Bousai Kishou Jouhou
 Yokkaichi City's weather, warning and alert statuses, precipitation, river level observation data, etc.
 URL: <https://yokkaichi-city.bousai.info/>

Japan Meteorological Agency
 Weather warnings and alerts, typhoon information, earthquake and tsunami information, etc.
 URL: <https://www.jma.go.jp>

BOSAIMIE.jp
 Mie Prefecture's weather, warning and alert statuses, precipitation, river level observation data, etc.
 URL: <https://www.bosaimie.jp>

Ministry of Land, Infrastructure, Transport and Tourism's Disaster Information for River
 Weather warnings and alerts, typhoon information, earthquake and tsunami information, etc.
 URL: <https://www.river.go.jp>

CTY-NET Online
 Live webcam images of Mitaki Gawa, Kaizo Gawa, Kabake Gawa, etc. (refresh every 1 minute).
 URL: <https://www.cty-net.ne.jp/>

River Water Level Information (crisis management-type water level gauge)
 (Foundation of River & Basin Integrated Communications (FRICS))
 Observed values of crisis management-type water level gauges, etc.
 URL: <https://k.river.go.jp>

TV and Radio

TV
 Digital terrestrial: NHK 3ch
 Cable TV: CTY *Requires subscription
 button on TV remote (data broadcasting)

Radio
 AM: NHK Nagoya 1 729kHz
 FM: CTY-FM 76.8MHz, NHK-Tsu FM 81.8MHz, radio3 FM Mie 78.9MHz

Evacuation Information

The City will announce evacuation information if evacuation is necessary. To receive the information, pre-register for the **Yokkaichi shi Anzen Anshin mail service**.

Alert Level	Information to prompt action	Situation	Actions residents should take
Alert Level 5	Emergency Safety Measures	Disaster occurred or imminent	Your life is in danger. Secure safety immediately!
Alert Level 4	Evacuation Instruction	High risk of disaster	All residents should evacuate from affected areas
Alert Level 3	Evacuation of the Elderly, Etc.	Risk of disaster	Elderly people and others should evacuate from affected areas

Be sure to evacuate by Alert Level 4!
 Alert Level 5 is rarely issued. Be sure to evacuate from affected area without waiting for Alert Level 5! *The City is unable to accurately grasp the severity of a disaster.

Email Notifications

Emails on evacuation information, etc. Pre-register

Yokkaichi shi Anzen Anshin mail
 Scan the QR code on the right and follow the instructions to register.

Emergency Alert Email (Area Mail) Registration not required
 Evacuation advisory and other information is sent by "Emergency Alert Email (Area Mail)" to compatible mobile phones.
 *Some mobile phone models are incompatible. Please contact your mobile phone company for details.

App and Internet

Evacuation and other information sent via app Scan QR code to download app

Yokkaichi City S Alert
 Obtain evacuation and other information distributed by Yokkaichi City.

iPhone/iPad, Android

Telephone

Disaster siren and voice broadcasting confirmation
 Automated telephone response for confirming siren and voice broadcasting information.
 TEL: 059-351-4004

Information on establishment of evacuation shelters and their congestion levels
Evacuation shelter congestion information website
 Check vacancy and congestion level of designated evacuation shelters.
 URL: <https://vacan.com/area/yokkaichi-city-evacuation/evacuation-center/1>

Protect Yourself from Flooding

As a primary rule, you must evacuate to a safe location early on. If you did not escape in time, protect yourself in a location which is considered the safest under the circumstances of that place and time.

Protect Yourself

Evacuate early

At Alert Level 3 Evacuation of the Elderly, Etc. or Alert Level 4 Evacuation Instruction, **be sure to escape from the affected area!**

If an approaching typhoon or heavy rain due to low pressure, etc. is anticipated, evacuate as early as possible to a low flood risk area. Evacuating to a home of a relative or acquaintance, etc. is an option.

Find a **relative/friend's home or evacuation shelter, etc. in non-inundated area** to evacuate to.

Protect Yourself

If you did not escape in time...

Go to a **tall and sturdy building** where you can stay in after flooding has occurred

It is dangerous to walk through flooded areas. If you did not escape in time, protect yourself in a location which is considered the safest under the circumstances of that place and time.

Determine if you need to escape using the Escape Map on the reverse side.

Find a **tall and sturdy building** to evacuate to and stay in after flooding has occurred.

Watch Out Manhole or ditch, Underpass, Riverside

Evacuate as early as possible to give yourself enough time

At nighttime, it is harder to hear sounds and is dangerous. If an approaching typhoon or continuous heavy rainfall is anticipated, evacuate as early as possible before it gets dark.

Evacuate together

Elderly people and others who have difficulty evacuating quickly should start evacuating at Alert Level 3 Evacuation of the Elderly, Etc.

As a rule, evacuate on foot

Evacuating by car may cause traffic jams and block passage of emergency vehicles. Please be mindful that as a rule you should evacuate on foot.

Floodwater is muddy, making it difficult to see where you are going. Be careful not to fall into an open manhole (cover dislodged by flood) or ditch.

Avoid using roads in low spots prone to flooding, such as underpasses of viaducts.

Overflowing rivers have strong currents. In some areas, buildings may collapse or be swept away. If you hear information on evacuation, evacuate immediately.

Escape Map: Decision-Making Flow Diagram

It is best to evacuate early before flooding starts. But in case you did not escape in time, be sure to check if you can evacuate to the second floor of your home or the like. Staying in your home may endanger your life. Determine if you need to evacuate to an evacuation shelter or other locations before flooding starts.

See the escape map on the reverse side to find and decide where to evacuate

Write down where you will evacuate on the cover page!

Where to escape at: Alert Level 3 Evacuation of the Elderly, Etc. or Alert Level 4 Evacuation Instruction

Ex: A relative/friend's home, evacuation shelter, etc. in non-inundated area

Where to stay safe if you did not escape in time

Ex: Tall and sturdy building where you can stay even after flooding

If you didn't escape in time **Points to keep in mind for staying home**

Take refuge above flood level

You may not be able to use water, electricity, gas, toilet, etc. for around a week. Be sure you are fully ready and know that you may become isolated for a long time.

Stockpile water, food, and other emergency supplies on high-up areas that won't be flooded.

It is dangerous to stay at flood level. Evacuate to a place where you can safely protect yourself from flooding, such as the upper floors of a building.

Check the Family Disaster Planner and the Tsunami Evacuation Map.

- Check how to protect yourself from a natural disaster.
- Be prepared using the list of emergency supplies to bring with you and to stockpile.
- Know how to use the safety confirmation message services.
- Multilingual flood hazard maps are being prepared sequentially.

Available on the Yokkaichi shi website
 URL: <http://bousai2.city.yokkaichi.mie.jp/home/>

Start Find your home on the map.

Q1 Are there **red stripes** over your home? (Overflow-Prone Area Where Houses Are Likely to Collapse) Wooden houses may collapse due to fast-moving water.

Yes: **not stay at home**

Is your home made of wood? Yes: **not stay at home**

Q2 Is there a **blue pattern** over your home? (Overflow-Prone Area Where Houses Are Likely to Collapse) The ground may crumble during flooding. Reinforced concrete structures also collapse.

Yes: **not stay at home**

Q3 Is your home inside a **red or yellow** boxed area? (Sediment Disaster Special Warning Area, Sediment Disaster Warning Area, Debris flow, Cliff collapse, Landslide) Sediment disaster may collapse your house or endanger your life.

Yes: **not stay at home**

Q4 (1) Which inundation color below corresponds to your home? (2) How many floors is your home? If it's an apartment, what floor is your home?

Inundation Color	Water Level	Floors to Stay	Action
Red	5 m - Below 10 m	5 or more floors	stay at home
Red	Water level: 3rd level floor - 4th level floor	1 to 4 floors	not stay at home
Orange	3 m - Below 5 m	3 or more floors	stay at home
Orange	Water level: 2nd level floor - 2nd level eaves	1 to 2 floors	not stay at home
Light orange	0.5 m - Below 3 m	2 or more floors	stay at home
Light orange	Water level: 1st level floor - 1st level eaves	1 floor	not stay at home
Yellow	Below 0.5 m	All floors	stay at home
White	Inundation is not anticipated	All floors	stay at home

While inundation is not anticipated, think about where to evacuate if necessary