

# Fukuroi City Flood Hazard Map

**Definitive Edition April 2026**

## 1 How to Obtain Information and Daily Preparedness

Use this hazard map to ascertain the risk level of the area where you live and gather information regularly so you can take the appropriate evacuation action at the right time. Disaster preparedness information can be obtained through various methods including television, radio, and the internet.

### Obtaining disaster preparedness information

- Fukuroi City Information Delivery Service "Memo Net" (registration required)**  
Receive announcements from City Hall during disasters, weather advisories, and broadcast information from the public address system via email or LINE.  
How to register: Use the QR code on the right to send an empty email (no subject or body required) to the email address.
- Fukuroi City website**  
Disaster information is posted on the home page.
- Public Address System (Emergency Broadcast System)**  
This system notifies the community of potential disaster risks and evacuation information via outdoor speaker broadcasts and sirens.
- Fukuroi Meteorological Observation System**  
You can check rainfall, wind speed, river water levels, and other information concerning Fukuroi.
- Shizuoka Prefecture Comprehensive Disaster Preparedness App**  
This smartphone app offers a wide range of features that are useful during a disaster, from notifications of emergency information and hazard maps to everyday disaster preparedness learning and evacuation training.
- Shizuoka Prefecture Disaster Preparedness Portal**  
You can view information on disaster preparedness, weather, earthquakes and tsunamis, and volcanoes in Shizuoka Prefecture issued by the Japan Meteorological Agency.
- Shizuoka Prefecture SIPOS Radar**  
You can view weather information, disaster preparedness information, river water levels, and live camera images of roads, rivers, and coastlines.
- Kikkuru (Japan Meteorological Agency)**  
"Kikkuru" is information that enables you to visually see on a map where and at what level the risk of disasters caused by heavy rain or flooding is approaching, and is published on the Japan Meteorological Agency's website. There are four types: Flooding Kikkuru, Inundation Kikkuru, Landslide Kikkuru, and Heavy Rain Kikkuru.
- TV (NHK/news/data broadcasting, etc.)**
- Emergency Alert Emails**  
Emails are delivered to mobile phones that support the reception of emergency alert emails.

## Evacuation Guidelines

**Very Important** You must save yourself. Don't assume you're the only one who'll be fine. Be prepared for disasters.

- 1 CAUTION!!**  
Act on the assumption that flooding could occur
- 2 CAUTION!!**  
Based on conceivable situations and regional characteristics, imagine flood damage
- 3 CAUTION!!**  
Should I evacuate? Prioritize life and do your best
- 4 CAUTION!!**  
Protect yourself
- 5 CAUTION!!**  
Gather information by yourself
- 6 CAUTION!!**  
Don't make assumptions

## Evacuation Guidelines

If you feel your life is in danger, begin evacuating immediately.

- Evacuate to a safe location (horizontal evacuation)**  
Evacuation sites are nearby high ground, outside of flood zones and flood-prone areas, such as a relative's home. "All evacuation sites will be opened. (See the hazard map). Before evacuating, please check which evacuation sites are open via the city website or other sources."
- Evacuate to the second floor or higher of a sturdy building, or to a nearby tall building (vertical evacuation)**  
Even with shallow flooding depth, walking can be difficult depending on the flow of the water. Do not leave your house to evacuate if it's not possible. Instead, evacuate vertically to higher ground.
- Evacuate to the safest possible location within the building**  
In cases such as at night or when danger is imminent, evacuating outdoors may be dangerous.
- Evacuate via a safe route**  
Avoid roads along rivers or steep slopes (hills) when evacuating. Manholes and street gutter covers might be dislodged from heavy rain, so exercise extreme caution to avoid falling and stay away from manholes and gutters.
- Once flooding reaches ground level, water can rapidly rush in.**  
Even with flooding of only about 30 to 50 cm, there will not be time to see pressure.

### Flooding in underground malls and facilities is dangerous

If you feel there is a danger of other flooding, evacuate underground immediately.

### Join Community Disaster Preparedness Activities

**Community-wide disaster preparedness**  
Voluntary disaster preparedness organizations are groups that conduct disaster preparedness activities that value face-to-face relationships with neighbors. These groups work to protect their own town themselves. Most areas have voluntary disaster preparedness organizations that also serve as neighborhood associations. Join your neighborhood association to prepare for disasters as a community.

**Main self-protection activities during normal times**

- Create a local disaster hazard map
- Conduct disaster preparedness lectures and other events
- Inspect disaster preparedness facilities
- Maintain and manage disaster preparedness equipment and materials
- Maintain and manage rescue tools and disaster preparedness equipment such as helmets, fire extinguishers, shovels, hammers, crowbars, floodlights, and generators
- Manage emergency supplies such as food and medical supplies

**Disaster preparedness patrols and inspections**

- Identify dangerous areas on hazard maps
- Inspect the status of weather-resistant materials
- Inspect items prone to collapse, such as brick walls, stone walls, and venting facilities

**Conduct disaster preparedness drills**

- Initial firefighting drills
- Emergency evacuation drills
- Emergency kitchen drills
- Rescue and first aid drills
- Information gathering and communication drills
- Emergency shelter management drills

**Contact Information (During Normal Times)**

Contact details	Department in charge	Contact
Inundation predictions	Civil Engineering and Disaster Preparedness Section, Urban Construction Department, Fukuroi City	0538-44-3166
Regional disaster preparedness and evacuation	Crisis Management Section, Crisis Management Department, Fukuroi City	0538-86-3703
Life-saving and emergency medical services	Fukuroi Fire Station, Fukuroi Fire Department Headquarters	0538-42-0119

## 2 Occurrence of Inland Inundation and River Flooding

**When heavy rain falls, drainage channels and gutters are unable to drain all the rainwater, leading to inland flooding.**

**When heavy rain is non-stop, the risk of river flooding increases.**

Rain falling on residential land is collected in storm drains, while rain falling on roads is collected in street gutters and similar drainage systems. This water is then drained into rivers via waterways and other drainage systems.

**During heavy rain, keep these points in mind**  
Be prepared for localized torrential rain  
To guard against sudden and localized torrential rain, make a habit of checking the weather forecast.

Weather Condition	Amount of Rain	Expected Impact
Moderately heavy rain	Rainfall of 10 to 20 mm per hour	Soak-back from the ground will get you wet well. Caution is needed when rainfall continues for a long time.
Heavy rain	Rainfall of 20 to 30 mm per hour	A downpour so heavy that you'll get soaked even with a waterproof jacket and umbrella.
Driving rain	Rainfall as if someone overhead a bucket. Raindrops like rivers.	
Downpour	Rainfall that mimics a waterfall. When spots turn everything white, stopping vehicles.	
Torrential rain	Rainfall of more than 40 mm per hour	You can feel suffocated. There is a high risk of a major disaster occurring, including street waterlogging.

## Occurrence of inland inundation

Inland flooding occurs when rainfall exceeds the drainage capacity of drainage channels or when the water level in drainage outlets, such as rivers, rises, preventing rainwater from draining away and causing inundation.

**What is an Inland Water Hazard Map?**  
This map lists areas and flooding depth predicted due to inland flooding and other information. It was created to enable residents in areas anticipated to flood to evacuate promptly.  
Inland inundation hazard map also depicts water overflowing river levees, but since levee breaches are not anticipated, please also refer to the flood hazard map.

**Predicted rainfall: 147.0 mm per hour**

## Occurrence of river flooding

River flooding occurs when heavy rain causes water levels in rivers and other waterways to rise, leading to water flowing over levees or the soil and sand of levees being washed away, causing them to collapse. This causes large-scale damage, such as the collapse and/or washing away of houses.

**What is a Flood Hazard Map?**  
This map lists areas and flooding depth predicted due to river flooding and other information. It was created to enable residents in areas anticipated to flood to evacuate promptly.  
**Depending on rainfall patterns, such as when rain falls only upriver, river flooding may occur before inland flooding, so please pay attention to weather forecasts and river water levels.**

**Predicted rainfall: Projected rainfall over 24 hours: Otagawa River system: 629.5mm; Benzaizen River system: 800.0mm; Maekawa River system: 836.0mm**

## When an evacuation advisory is issued

If you feel your life is in danger, start to evacuate.

(Please also read "Evacuation Guidelines" in 1. How to Obtain Information and Daily Preparedness.)

Information from the JMA	Evacuation Information (City Response)	Actions Residents Should Take	Alert Level		
Level 5 Emergency Warning (Flood)	Level 5 Emergency Warning (Heavy rain)	Level 5 Emergency Warning (Landslide)	<b>Emergency Safety Measures</b> *This is not information that will always be issued	<b>Life-threatening danger! Immediately ensure safety!</b> A situation where safe evacuation is no longer possible and lives are in danger. Immediately move to a location that is safer than where you are now.	<b>5</b>
<b>Evacuate immediately at Alert Level 4!</b>					
Level 4 Urgent Warning (Flood)	Level 4 Urgent Warning (Heavy rain)	Level 4 Urgent Warning (Landslide)	<b>Evacuation Order</b>	<b>All persons must evacuate dangerous areas</b> When strong winds are forecast due to a typhoon or similar event, complete evacuation before the winds begin.	<b>4</b>
Level 3 Warning (Flood)	Level 3 Warning (Heavy rain)	Level 3 Warning (Landslide)	<b>Evacuation for the Elderly and Vulnerable</b>	<b>The elderly and vulnerable should evacuate from dangerous locations</b> Others should also begin suspending outdoor activities, preparing for evacuation, or evacuating voluntarily as necessary.	<b>3</b>
Level 2 Advisory (Flood)	Level 2 Advisory (Heavy rain)	Level 2 Advisory (Landslide)		<b>Check your evacuation plan</b> Review the disaster risk for your home and other locations using hazard maps, etc., and review your means of obtaining evacuation information.	<b>2</b>
Early Warning Information (Potential for Warning Level)			<b>Raise your level of readiness</b> Check the staff communication system	<b>Raise your readiness for disasters</b>	<b>1</b>

