Fukui City Inland Water Hazard Map

2022 Special Edition





"Inland water" is inundation

urban area into rivers.

that happens when rainwater

A "flood" is inundation that

frequently than floods, and

short time during heavy rain.

frequently than inland water,

but can cause major flood

"Floods" happen less

Damage

Scenario

Please beware that depending on when it rains, there may be flooding even in

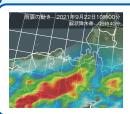
Rain

starts

happens when the water level of a river rises so high and overflows its embankments. "Inland water" happens more



Pay attention to weather information and disaster prévention information



The "Fukui City Inland Water Hazard Map" is used to identify in advance places where rain tends to accumulate, in order to prepare for heavy rains.

To use this hazard map properly, it is important that you check accurate weather information and disaster prevention

If there is a risk of flooding or landslides, please check the "Fukui City Flood and Landslide Hazard Map" and use each map accordingly to the weather and disaster prevention



2. Disaster prevention information and code of conduct

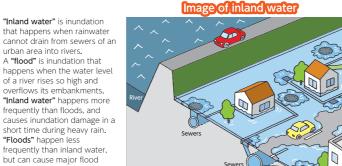
Please act by making effective use of disaster prevention weather information, such as warnings and alerts



ndslide Warning Information: This information is announced when the risk of landslide becomes higher after the

announcement of a heavy rain warning (landslide) is issued. Special attention must be given to people who live in or near andslide special caution zones. (See the Fukui City Flood and Landslide Hazard Map)

3. Differences between inland water and floods (use various maps appropriately)



Inundation Area Map: Amount of Rainfall Expected when Building

Sewerage Facilities (43.1 mm = 1.7 Inches per hour)

This level of rainfall happens relatively often. There may be local inundation.



How to use the inland How to use the Flood water hazard map and Landslide Hazard Map

Due to heavy rain, the sewer system cannot drain and rainwater accumulates in

so water levels of rivers rise, eventually overflowing their embankments or causing the embankments to collapse

(2)

In the case of inland water, suddenly. Therefore, it is important to prepare in advance.

Landslide Hazard Map

You can check the Fukui City Flood and Landslide Hazard Map on the Fukui

https://www.city. fukui.lg.jp/kurasi/



Sandbag storage place

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4. Intensity and Pattern of Rainfall



"Heavy rain"

is hard to hear people



Do not put objects on

If there are objects on street inlet



It is dangerous to drive vehicles.

5. Advance Preparations

To reduce damage

Please cooperate by cleaning



Do drills in advance. Check the locations of



Participate in disaster





Install a rainwater tank in vour house

vour house



tanks and waterstops, in orde to reduce flood damage in the

Link to details

https://www.city.fukui.lg.jp/kur asi/gesui/gesuiproject/2017us

For evacuation guide

Check your evacuation



Check in advance to find areas

Prepare emergency







you can evacuate at any time.

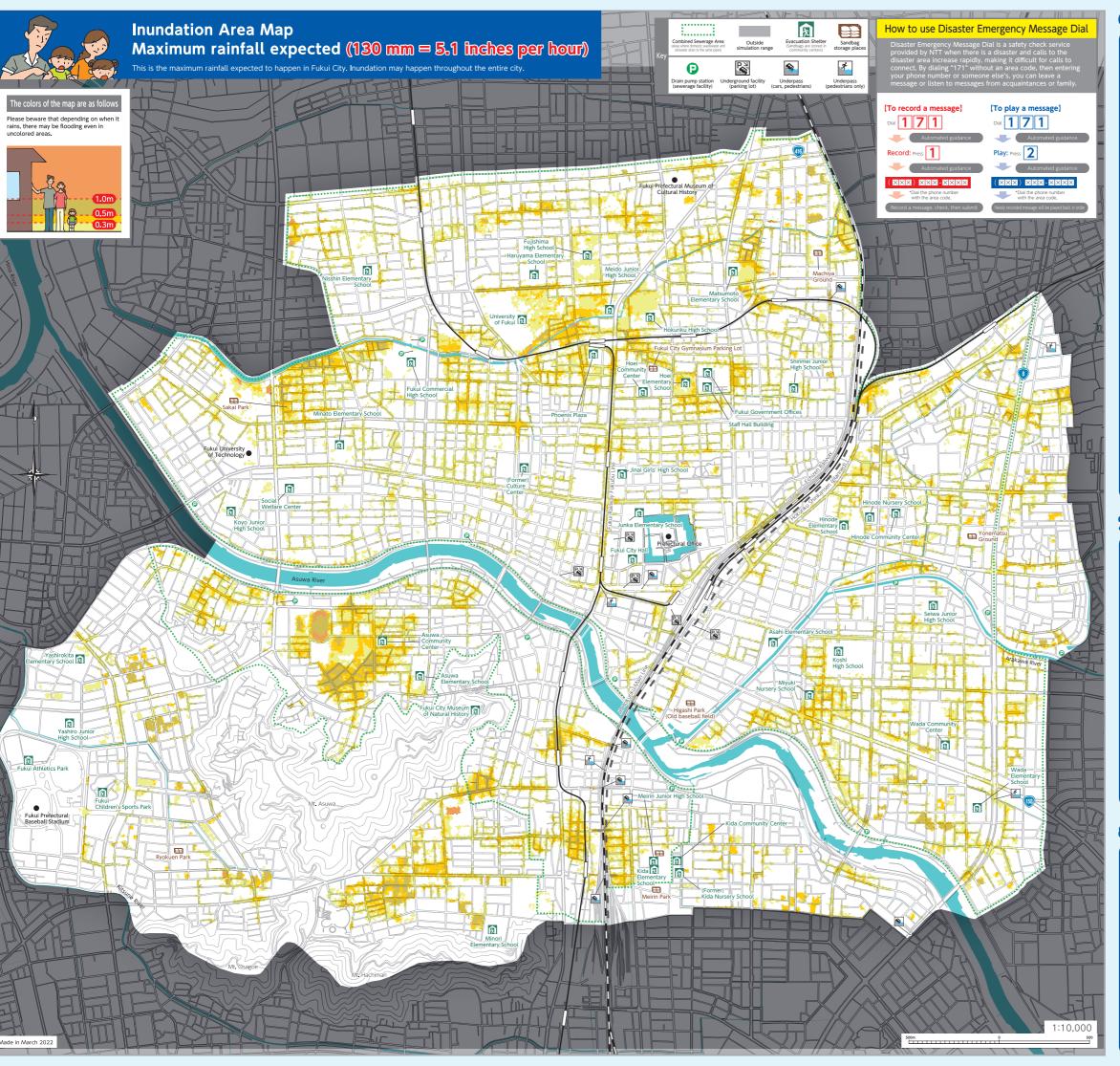
Prepare clothes that are easy to

Prepare comfortable

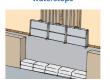
It is also important to check the location of evacuation shelters near you on the "Fukui City Flood and Landslide Hazard Map" in preparation for a risk of flooding.

• For inquiries regarding the inland water hazard map

Please contact the city government for other problems as well



6. What to do when there is risk of in undation



Prepare for backflow of air from toilets and drains (1)



from toilets and drains @

• If you do not have sandbags or waterstops at home, you can use households items to reduce intrusion of water.









If you are in a basement or underground parking lot, evacuate above ground



Rainwater easily flows into basements and underground parking lots, so please evacuate above ground as soon as possible.

Refrain from draining water from your house as much as possible



When there is heavy rain, draining bath water or laundry water will increase damage caused by inundation. Please refraine from draining water.

7. Precautions about evacuation



effective to evacuate to a high place, as an emergency measure.

Take measures to protect yourse





Evacuation Tips: Evacuating by means of mutual aid



Evacuate with two or more people

It is difficult to do safety checks when evacuating alone, so please move in groups of at least

Offer evacuation support for senior citizens and people with disabilities
Please support people who need time to evacuate, such as senior citizens, people with
disabilities, and infants, by providing information promptly to encourage early evacuatic

*See the "Fukui City Flood and Landslide Hazard Map" for how to evacuate in the event of rivers flooding.

8. Mechanisms of heavy rain

Clouds are created when air is pushed up into the sky by updrafts. As updrafts intensify and clouds continue to grow, the so it often starts raining suddenly and stops raining after a short time, co

When the atmosphere is unstable, cumulonimbus clouds continue to develop, causing heavy rainfall over a short time and narrow range, becoming local heavy rain.

Local heavy rain is caused by the development of a single cumulonimbus cloud. Rain intensifies temporantly, resulting in total rainfall of a few tens of millimeters (a few inches) locally. Concentrated torrential rain is caused by repeated creation and development of cumulonimbus clouds in the same place due to weather conditions such as fronts and low pressure systems. Violent rain continues for a long time, with total rainfall of several hundred millimeters (a few feet) in a small area.

Local heavy rain and concentrated torrential rain temporarily make it