# ECHIZEN CITY Flood Hazard Map

~Protect yourself from floods~

Kunitaka/Kitahino/Kitashinjo/Ajimano/Awatabe/ Okamoto/Minaminakayama/Fukuma District



**ECHIZEN CITY** 

nformation source - QR code

**Comprehensive information** 

on rivers and erosion control

in Fukui Prefecture

**Fukui Prefecture** 

emergency net

**Echizen City** 

Disaster Emergency Message Dial (171) is a "voice message board" (to check safety of relatives and friends) in the event of a major disaster. Messages can be

recorded and played on ordinary telephones, public telephones, and cell phones.

disaster area should enter their own phone numbers, and people outside the disaste

GuruGuru Map

Details

Emergency and

disaster information

Information on rivers, rainfall, road surveillance

accumulation (Tannan

Weather maps, current

forecasts and weather

cameras, snow

summary site)

alerts

Disaster Emergency Message Dial (171)

Landslide Hazard Map

flows, landslides are

Landslips, debris

listed according to selected towns.

Cable Television's

nformation source - QR code

**Echizen City website** 

Fukui disaster

prevention signa

Fukui local meteorological

Confirmation

Method

070-

When recording

Created in May 202

Details

information from river

surveillance cameras,

information and so on.

Public transportation,

evacuation information

for the area around your

information, flood hazard

zones, evacuation sites in

Echizen City among other

maps, potential flood

utilities, disaster

prevention and

current location

Displays road

information.

Reservoir Hazard Map

zones of reservoirs are listed for each

Potential flood

Weather alerts,

landslide risk

#### 1. Understanding Disasters

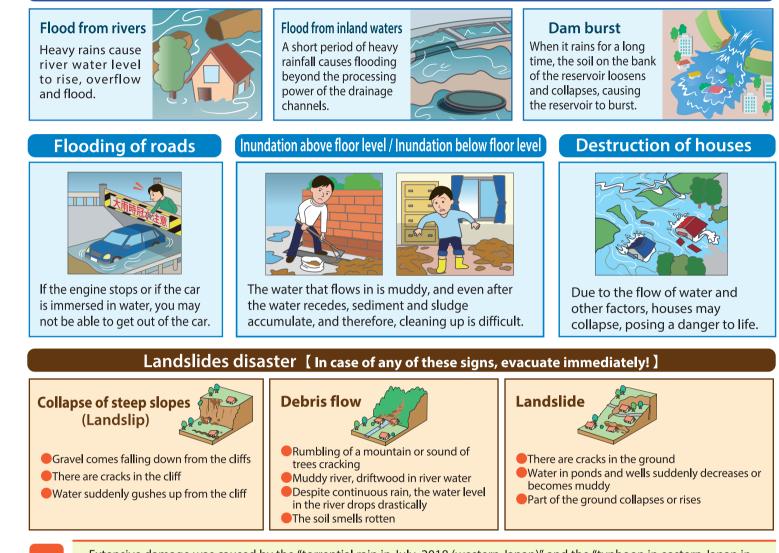
1-1. Past floods in Echizen City

During the torrential rains in Fukui in July 2004, various parts of the city, especially the former Imadate area were flooded. Also, the torrential rains in the eastern part of Japan in July 2012 caused flooding in Awatabe, Okamoto, and Ajimano districts.



1-2. Potential disasters and damage caused by heavy rain

Flood



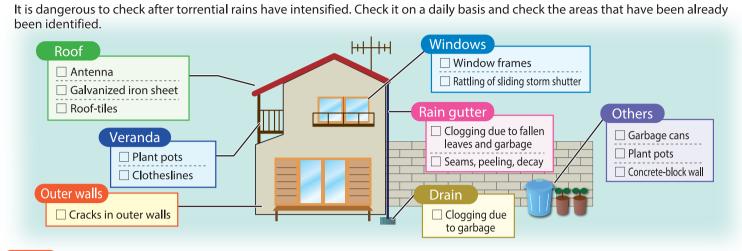
# Extensive damage was caused by the "torrential rain in July, 2018 (western Japan)" and the "typhoon in eastern Japan in 2019 (Typhoon No. 19)". One of the factors that caused the damage was "low evacuation rate" or "delayed escape". Preconceptions such as "the damage was never expected to spread this far," or "We have had heavy rains before, but never had to evacuate," were given as reasons for not evacuating. Learning from the experience of the torrential rain in July, 2018 (torrential rain in western Japan), "alert level" was introduced to make it easier for residents to intuitively understand the actions they should take using disaster prevention information released by local governments. Let's be aware of how we can protect our lives and be prepared to take the best possible measures to evacuate.

#### 2. Preparing Yourself on a Daily Basis

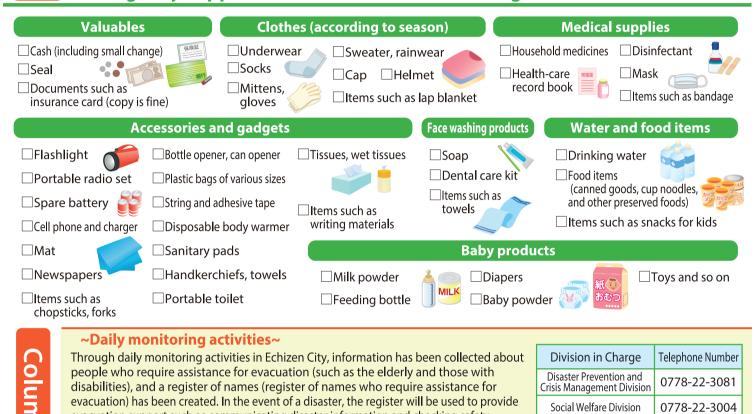
2-1. Contemplate disaster prevention and evacuation on a regular basis



2-2. Check your house and surroundings as a measure of disaster prevention



2-3. Emergency supplies that include items useful against infectious diseases



3. Understanding Evacuation

ongevity and Welfare Division 0778-22-3784

evacuation support such as communicating disaster information and checking safety. If you would like to be registered in the list of those who need assistance for

evacuation, please contact the agencies listed on the right.

#### 3. Understanding Evacuation

2. Preparing Yourself on a Daily Basis

Points for creating My Timeline

Confirm the evacuation timing from the evacuation and

by car

②List the actions to be taken before evacuation begins

3 List the precautions to be taken during evacuation

Means of transportation to evacuation site

People who can assist you in evacuating

Number

Telephone

narize what you need to do to mitigate damage and to evacuate

Discuss with your family the precautions you should take when evacuatir

..........

the disaster has already occurred.

Take the best course of action to save your life

**Immediately Ensure Safety!** 

If evacuation is delayed...

Lives in Danger..

2-4. Creating My Timeline

create My Timeline.

evacuate

3 days before

2 days before

1 day before

12 hours before

6 hours before

Disasters caused by typhoons and heavy

rains can be predicted in advance. Consider

on evacuation and weather information, and

Check hazard map to find out if your house is in danger

☐ Located in a landslide (special) danger zone

Place to evacuate \*Check if it is suitable in case of floods

Nert Level | Echizen City Information | (Reference) Information from au

derly people

Typhoon information

Large-scale typhoons and othe disasters that are expected to cause river flooding.

Typhoon-related weather information

Heavy rain advisory Flood advisory

Flood advisory information

Heavy rain warning

Flood alert information

Flood risk information

Landslide alert information

Heavy rain emergency

Flood occurrence

lete evacuation by this time!

Flood warning

your evacuation actions in advance based

Check status of your home

#### 3-2. Understanding Evacuation Behavior

During an

There are two types of evacuation: "evacuation to a safe place outside your home" and "moving to a safer place inside your home, such as the second floor." Evacuation methods vary depending on region and situation. Depending on the timing of evacuation, use the most appropriate method, especially if you need to move during heavy rain or at night, because there is a risk of getting injured while evacuating outside your home. Also, consider measures against infectious diseases when deciding whether to evacuate outdoors or securing your safety indoors.



Evacuate to safe shelters if it is dangerous to be in an area such as one near a river where flood depth increases or an area where landslides may occur. In principle, evacuate away from your home before the disaster occurs.



Stay inside your house if leaving your house is dangerous or if the flood depth is low and you can move to places such as the second floor of your own house.

#### 3-3. Evacuation: Caution Points



Use your judgement when

weather information.

Be sure to evacuate as early as

possible based on evacuation and

evacuating!

evel indicating tha

level indicating that



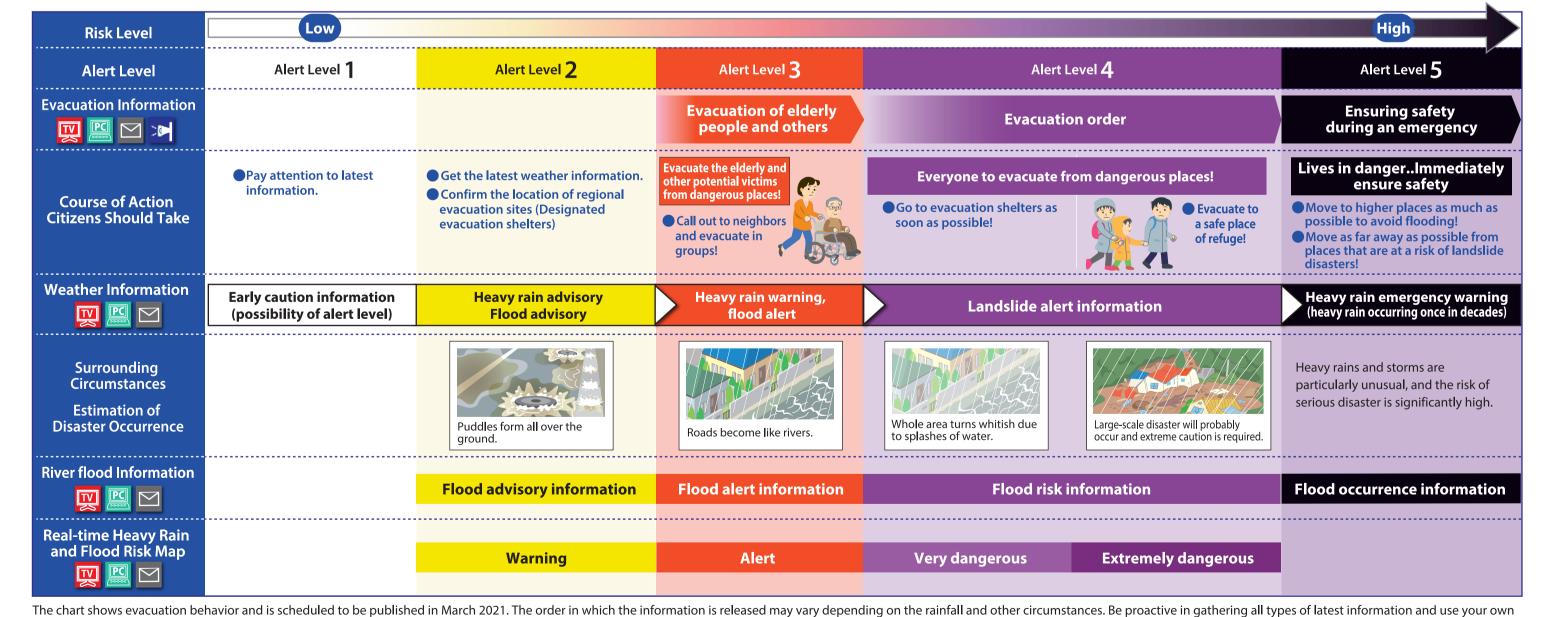
Those who need more time to evacuate, such as the elderly, children, people with diseases, and people with physical disabilities, should start evacuating as soon as possible. Let's work together as a community to help those who need assistance with evacuation.

Evacuation order is issued when danger is imminent, so evacuate as soon as possible.



### Source of Information 3. Understanding Evacuation

3-1. Evacuation behavior according to the Alert Level



ement in evacuation.

In the event of a disaster Echizon City administration will issue.

Flood Warning Level Evacuation Judgement Level Flood Risk Level at Water

Evacuation I Published by	inform	event of a disaster, Echizen Cit nation such as evacuation deta nment emergency radio (radio	y administration will issue ils using loud speakers of broadcast) and emergency siren	
Classification	Alert level	Siren	If you cannot hear the	
Evacuation of elderly people and others	Alert level 3  Elderly people who need time to evacuate	Three or more sirens blaring for approximately	broadcast, you can call the following exclusive number to reconfirm the details.	
	should start evacuating immediately.	40 seconds	☎ 0778-21-0088 ☎ 0778-21-0091	
Evacuation order	Alert level 4  The circumstances are such that there is high probability of a disaster occurring.	Six or more sirens blaring for approximately 20 seconds		
Ensuring safety during an emergency	Alert level 5	12 or more sirens blaring	<b>2</b> 0778-21-0094	
	The disaster has already occurred, take the best course of action to save your life.	for approximately 10 seconds	<b>2</b> 0778-21-009	

## Flood Warning Level, Evacuation Judgement Level, Flood Risk Level at Water Level Gauging Station

The risk of flooding varies from river to river. At the water level gauging stations of major rivers in Echizen City, water levels that indicate flood or water levels that indicate risk of flood are determined. Water level gauging stations are marked with 

on the map.

er level gauging station		Flood Warning	Decision	Flood Risk	Ш		planatio			Flood Risk	Water flood
		Water Level (m)	Water Level (m)	Water Level (m)	Ш	V	<b>Vater Lev</b>	/el		Water Level	should
ose River	lehisa	1.90	2.70	2.70	Ш				Evacuation Judgement Level	Water flood should	
	Kamioda	2.40	2.70	3.20	Ш		<b>*</b>	-/[			
ani River	Awatabe	1.80	2.10	2.70	Ш			¢.		Flood Warning	Water
ori River	Higashishozakai	1.50	1.80	2.20	Ш					Water Level	should
u River	Kita	2.30	2.50	2.80					İ	Flood-fighting Corps Standby	Water flood f
n River	Nakahirahuki	3 50	4.00	4.00	Ш					Water Level	on star

#### Issued by: Disaster Prevention and Crisis Management Division, General Affairs Department, Echizen City 1-13-7 Fuchu, Echizen, Fukui TEL: 0778-22-3081

Three categories:

Echizen City has also created hazard maps for landslides and earthquakes. Check the information you need.

vulnerability to ground shaking, risk level of the area, and liquefaction