② Make an evacuation plan

2-1. Actions to be taken in heavy rains

If your area is experiencing heavy rains, gather the necessary information yourself and promptly make an evacuation decision.

Disaster management radio communication

Disaster prevention information is broadcast through outdoor broadcast speakers.
Evacuation information is broadcast at maximum volume after the sound of a siren.

Check the following sources for the broadcast content of the emergency radio for disaster prevention

①Telephone service: Check the broadcast content on phone
☎ 055 (298) 4471
②NNS (TV channel 11) data broadcast
③Kofu City disaster prevention/ crime prevention newsletter
④Kofu City disaster prevention app
⑤Kofu City disaster prevention portal

Email

Kofu City Disaster Prevention Email Newsletter

The content broadcast on emergency radio for disaster prevention or the evacuation information will be delivered by email.

You can receive information by email by registering your email address.
Access the registration site by scanning the QR code below.

Registration tool information

Registration site (PC/Smartphone)	https://plus.sugumail.com/usr/yc-kofu/home

Emergency information email

The emergency information is distributed all at once to the mobile phones of all the citizens.
Check the user's manual of your mobile phone, or contact your phone dealer to see if your phone can receive emergency information emails.
Depending on the model, you may have to configure the settings in advance.

TV data broadcast

You can check all kinds of disaster prevention evacuation information and information about information such as evacuation centers.

【For NNS (channel 11)】

①Press the "d" button on your remote control
②Select "Notification from Prefecture/Kofu City", and press the "Select" button
※Select "River water level/sediment disaster warning information" to check the information regarding rivers and sediment disaster information issued by the state or the prefecture
③Select "Emergency information" or "Kofu City Disaster Prevention Email Newsletter" and press the "Select" button

Press "d" button on your remote control to get relevant information on your TV.

【For NHK】

①Press the "d" button on your remote control
②Select "Disaster prevention/daily life information", and press the "Select" button
③Choose among "Evacuation information", "Evacuation shelter information", or "River water level/ precipitation amount information", and then press "Select" button

Internet

Kofu City Disaster Prevention Application

This is a free disaster prevention application that you can use on your smartphone or tablet. It offers various disaster prevention information such as weather and evacuation alerts, as well as features like searching for the nearest evacuation centers and creating a personal timeline, useful during both disasters and emergencies.

How to Register
You can download an app from the Google Play or the App Store

Google Play で手に入れよう
App Store からダウンロード

■■■■■Note!■■■■■
Although the installation and usage is free, communication expenses are to be borne by the user

Kofu City disaster prevention portal

Real-time information regarding evacuation and evacuation shelters announced by Kofu City will be posted on this portal.
https://kofu-city.my.salesforce-sites.com/

Kofu City's official webpage

Disaster and crime prevention information and relavent information will be posted on the top page during an emergency.
https://www.city.kofu.yamanashi.jp/

Water level information for rivers

Besides the rivers under the management of Yamanashi Prefecture, you can check the water level information or surveillance camera footage for rivers under the management of the state as well.
http://k.river.go.jp

Yamanashi Prefecture Sediment Disaster Risk Information System

Based on the forecast information provided by the Meteorological Office, you can check the risk of sediment disaster for an area of about 1 km in all directions (Marked mesh patterns).
https://sabo.pref.yamanashi.jp/Top

Power outage information (TEPCO Power Grid, Inc.)

You can check the power outage information here.
http://teideninfo.tepco.co.jp/flash/index-j.html

Integrated River Information System

Get real-time precipitation amount of different locations in Yamanashi Prefecture and water level information
http://www3.pref.yamanashi.jp/yamanashiweb/

Kikikuru (Real-time risk map)

The Japan Meteorological Agency has announced the "KIKIKURU (Real-time risk map)" that shows the increase in disaster risk level due to heavy rains in five color-coded stages on map. Check the website of the Japan Meteorological Agency for details.
https://www.jma.go.jp/bosai/risk/

Evacuation Methods

There are 2 different evacuation methods: **"Horizontal evacuation"** and **"Vertical evacuation"**. "Horizontal evacuation" is the method of moving people away from the area of danger to a safer place on the same floor. This method includes evacuation shelters, a home of your acquaintance or relatives, or even to a safe location nearby. On the other hand, "Vertical evacuation (Shelter-In-Place)" is the method of moving people away from the area of danger to the upper floor levels. This method includes 2nd and higher floor levels inside your house or building.

Identify where to evacuate depending on the situation you are currently in

Evacuating by moving to a different location (horizontal evacuation)

Evacuate to a home of your acquaintance or relatives outside the flood-prone-areas

Evacuate to a designated evacuation shelter, a home of your acquaintance or relatives or a safe place located in a tall building, if you are inside the flood-prone area

If your current location is in a hazardous area, for example, either near a river, in an area where water level is likely to be high or in an area, where houses could be washed away, you must evacute to a safe location such as a disignated evacuation shelter, your relative's or acquaintance's house before a disaster strikes.

Shelter-In-Place (Vertical evacuation)



If it is dangerous to go outside and is difficult to identify hazardous places on your way to an evacuation shelter, or when a flood makes it difficult to walk, then secure your safety and evacuate to the 2nd floor of your house or to a taller building in your neighborhood.

※Refer to the types of evacuation on page 11.

② Make an evacuation plan

2-2. Things to know and action guide to be followed in the case of heavy rains

The evacuation instructions are issued by municipalities after comprehensive judgment, and therefore, may not be issued even if information equivalent to Alert Level is issued.

Risk level	Small → Great				
Warning Level	Warning Level 1	Warning Level 2	Warning Level 3	Warning Level 4	Warning Level 5
Evacuation information			Evacuation of vulnerable residents	Evacuation order	Take action to protect your life
Actions which you should take	Be prepared for a disaster ● Get the latest weather information. ● Locate the nearest evacuation shelter	Review your evacuation plan ● Review your evacuation plan in this hazard map and be ready to evacuate.	All vulnerable and dependent people evacuate ● Contact your neighbors, and evacuate in a group!	All evacuate from dangerous areas ● Evacuate immediately to a safe area! ● Immediately exit your area and evacuate to a safe area! (Vertical evacuation)	Danger to life; Ensure your safety at once! ● This is a life-threatening situation. Ensure your safety by immediately moving to a room or other space far from the mountain side in a high place on or above the second floor of a building.
Weather information	Level of warnings (Including possibility of the highest-level warning)	Heavy rain advisory Flood advisory	Heavy rain warning and flood warning	Sediment disaster warning information	Special heavy rain warning (Heaviest rain in decades)
KIKIKURU (Real-time risk map)		Advisory	Warning	Danger	Imminent disaster
Information on river water level		Flood caution information	Flood warning information	Information on potential flood hazards	Information on flooding
Surrounding situation Disaster guide		The flood water covers the entire surface of the ground.	Flooded roads	The ground surface covered with water appears white due to splashing of water. The risk of a large-scale disaster is great, and a strong alert is needed.	As heavy rains and storms are particularly abnormal, the risk of a major disaster is remarkably high.
Rainfall		Amount of rainfall per hour 20 to less than 30 mm	Amount of rainfall per hour 30 to less than 50 mm	Amount of rainfall per hour 50 to less than 80 mm Information on record-breaking heavy rains in a short period 100 mm or more rainfall per hour	

〈All evacuate at Warning Level 4!〉

This chart is only to be used as a rough guideline. Depending on the conditions such as the rainfall pattern, the information may not be released in the order shown in the chart.

Collect various types of information. This will help your decision-making processes.

Information related to strikingly heavy rains

Information related to strikingly heavy rains is the information that explains the situation where extremely violent rains continue to fall in the same place due to a linear rainband, while the risk of a disaster due to heavy rains has drastically increased, using the keyword **"linear rainband"**.

This is supplementary information. This information will be **announced when a disaster warning level reaches Level 4.**

If a violent weather phenomenon potentially leading to a disaster is predicted, the Japan Meteorological Agency announces disaster prevention weather information such as weather warnings and advisories via television, radio and Internet. When information such as warnings and advisories is announced, check the real-time risk map and understand the level of risk for your home.

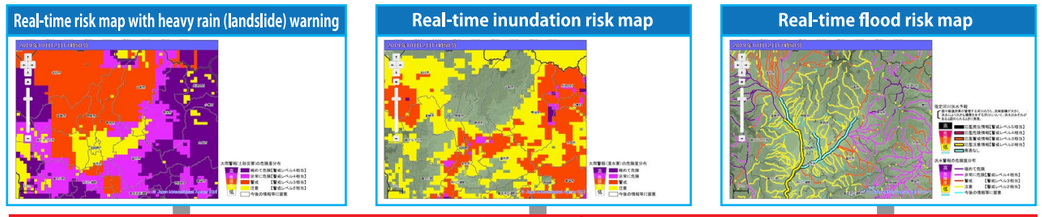
High ↑ Disaster risk level ↓ Low

Emergency warning	A state where the risk of a major disaster has remarkably increased
Sediment disaster warning information	This information will be announced by the Japan Meteorological Agency in collaboration with Yamanashi Prefecture when the risk of a sediment disaster has increased due to a heavy rain.
Information on record-breaking heavy rains in a short period	This information will be announced when fierce rainfall has been observed and analyzed once every few years (Heavy rain of about 100 mm per hour is predicted in Yamanashi Prefecture)
Heavy rain warning and flood warning	A state where a major disaster may occur due to heavy rains and floods
Heavy rain advisory and Flood advisory	A state where a disaster may occur due to heavy rains and floods

KIKIKURU (Real-time risk map)

A real-time risk map is published on the KIKIKURU website with color coding for sediment disasters, inundation and floods which are caused by heavy rains. Predicted high-risk location is colored in purple.

【Kofu City surrounding areas during Eastern Japan Typhoon (Typhoon no. 19) of 2019】



② Make an evacuation plan

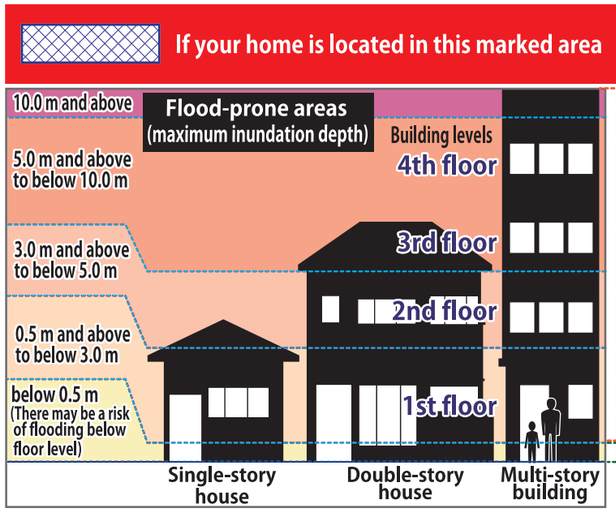
2-3. Evacuation decision making and behavioral responses

Check the location of your home on the hazard map as well as the standard actions to be taken during heavy rains from the figure below. The actions to be taken may vary depending on the circumstances such as whether your home is a detached house or an apartment building, how many floors the building has, or whether there are landslide-prone areas nearby. Follow the steps below to check the hazard map, understand the standard actions to be taken by oneself, and if you feel you are in danger, use your judgment to take appropriate actions to save yourself.

Actions to be taken (Legend)					
Evacuation to a different location	Evacuate to a safe place outside of your house before a river overflows its bank.	Vertical evacuation	Vertically evacuate to the upper floors of buildings depending on the situation.	Standby at your home	If you act thoughtlessly, it would put you in a furthermore dangerous situation. Gather more information in case of a heavy rain and take measures against floods.

Step ① Find your home on a map pp.15 -34, and see if the surrounding areas are categorized as "Area with a risk of houses being washed away" or "Flood-prone area (maximum inundation depth)".

Is your home located in an area where there is a risk of houses being washed away? What is the color of "flood depth"?



Evacuation to a different location — Evacuate as soon as possible to a safe place. There may be the risk of building collapse due to flooding or house destruction which may be caused by collapsed soil flowing down.

0.5 m and above:
- If you live in an apartment building
- If you live in detached housing

below 0.5 m:
Standby at your home — If you act thoughtlessly, it would put you in a furthermore dangerous situation. Gather more information in case of a heavy rain and take measures against floods.

Step ② Actions to take if you live in a house

Detached housing

Check how many floors your house has, and what color your area is highlighted on this hazard map. These will help you get an idea what actions to take.

Number of floors	Estimated floodwater depth: 0.5 m and above to below 3.0 m (1st floor may be underwater)	3.0 m and above to below 5.0 m (1st and 2nd floors may be underwater)	5.0 m and above (1st, 2nd and 3rd floors may be underwater)
3 stories	Evacuation to a different location / Vertical evacuation	Evacuation to a different location / Vertical evacuation	Evacuation to a different location
2 stories	Evacuation to a different location / Vertical evacuation	Evacuation to a different location	Evacuation to a different location
1 story	Evacuation to a different location	Evacuation to a different location	Evacuation to a different location

Things you should know when evacuating

①This hazard map is showing the extent of a worst-case scenario, where rivers overflow their banks.
②This guide provides practical guidance and information to help you prepare for an emergency, however, there's no such thing as a perfect evacuation guide for a natural disaster. Take an action to protect your life if needed. Use your common sense.
③Even in the areas where little damage is predicted, you should take a appropriate action if necessary.
④Basically, evacuating to a safe place (Horizontal evatuacion) is recommended. However, if you are capable of evacuating to higher floor level of the building in which you are (Vertical evacuation), do so.

Step ② Actions which you should take if you live in an apartment

Apartment building

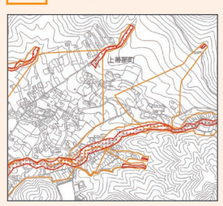
Check how many floors your apartment building has, which floor you live on, and what color your area is highlighted on this hazard map. These will help you get an idea what actions to be taken.

※If you live in an apartment, you could evacuate to common areas such as a hallway.

Number of floors	Floor you live on	Estimated floodwater depth: 0.5m and above to below 3.0 m (1st floor may be underwater)	3.0 m and above to below 5.0 m (1st and 2nd floors may be underwater)	5.0 m and above (1st, 2nd and 3rd floors may be underwater)
5 stories or more	5th floor and above	Standby at your home	Standby at your home	Standby at your home
	3rd or 4th floor	Standby at your home	Standby at your home	Evacuation to a different location / Vertical evacuation
	2nd floor	Standby at your home	Evacuation to a different location / Vertical evacuation	Evacuation to a different location / Vertical evacuation
	1st floor	Evacuation to a different location / Vertical evacuation	Evacuation to a different location / Vertical evacuation	Evacuation to a different location / Vertical evacuation
3 to 4 stories	3rd and 4th floor	Standby at your home	Standby at your home	Evacuation to a different location
	2nd floor	Standby at your home	Evacuation to a different location / Vertical evacuation	Evacuation to a different location
	1st floor	Evacuation to a different location / Vertical evacuation	Evacuation to a different location / Vertical evacuation	Evacuation to a different location
2 stories	2nd floor	Standby at your home	Evacuation to a different location	Evacuation to a different location
	1st floor	Evacuation to a different location / Vertical evacuation	Evacuation to a different location	Evacuation to a different location
1 story	1st floor	Evacuation to a different location	Evacuation to a different location	Evacuation to a different location

Step ③ Evacuation from a sediment disaster

Identify if your home is shown as in a sediment disaster (high) zone on this map.
- Landslide high alert issued areas
- Landslide alert issued areas



Yes → Building material:
- Wood → Evacuation to a different location — A sediment disaster may cause houses to collapse. Evacuate to a safe place as soon as possible.
- Sturdy building made of reinforced concrete → Evacuation to a different location — Even a sturdy building could have sediment inflow. Evacuate to a safe place as soon as possible.

※If you are unable to evacuate to a safe place immediately, go to a safe place on a high floo r which is located on the opposite side of a mountain.

No → Standby at your home — If you act thoughtlessly, it would put you in a furthermore dangerous situation. Gather more information in case of a heavy rain and pay attention to sediment information.

2-4. Types of Evacuation

"Evacuation" does not only mean going to an evacuation center designated by the city. "Evacuation" means avoiding danger. There are three actions that you can take.

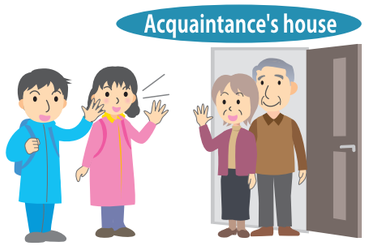
Evacuate to a city-designated evacuation shelter



Evacuate with essential items such as emergency supplies.



Evacuate to a safe home of a relative or acquaintance



Regularly discuss evacuation plans for disasters



Shelter indoors



Use the hazard map to check the "**three conditions**"※ given below and determine if it is safe to stay at home.
The general rule is to evacuate if you live in an area prone to landslides.

※ If the "three conditions" are met, it may be possible for you to stay at home safely even if there is a risk of inundation

❶ The house is not in an area where houses are at risk of being swept away

If your house is in such an area...

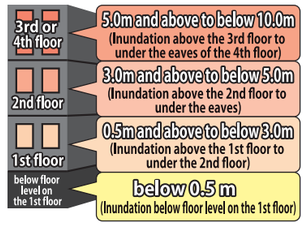


Wooden houses may collapse due to fast-flowing water



The ground may erode, causing the entire building to collapse.

❷ Living quarters are above the flood depth



❸ Able to endure until the water recedes, with sufficient water, food, and other supplies.



In areas where prolonged inundation is expected, utilities may be cut off, making life in evacuation shelters difficult.

Refer to 2-10. Flood Duration Graphic (P47-48).

See the 2-8. Flood Hazard Map (P15-34) to check if your home is in an area where houses are at risk of being swept away or expected to be inundated.

2-5. List of Designated Evacuation Shelters and Designated Emergency Evacuation Shelters

Designated evacuation shelter	A facility where evacuees can stay until the disaster subsides or temporarily stay if they cannot return home due to the disaster.
Designated emergency evacuation shelter	A facility or place for emergency evacuation from the dangers of a disaster.

■Usable Areas of Designated Evacuation Shelters and Designated Emergency Evacuation Shelters

Rooftop: Rooftop is usable | **3F**: 3rd floor and above usable | **2F**: 2nd floor and above usable

Block	No.	Name	Address	Classification: Flood	Classification: Sediment disasters
East Block	1	Higashi El. School	Asake 1-14-1	2F	○
	2	Satogaki El. School	Zenkoji 2-7-1	2F	○
	3	Higashi Junior High School	Tokoji 8-1	2F	○
	4	Kofu Higashi H. School	Sakaori 1-17-1	2F	○
	5	Koun El. School	Kawada machi 65-2	2F	○
	6	Eastern Community Center	Wado machi 955-1	○	○
	7	Tamamoro El. School	Kamiahara machi 491	2F	○
	8	Yamanashi Municipal Association Bldg.	Yomogisawa 1-15-35	2F	○
	9	Zenyukan El. School	Asake 1-2-52	2F	○
West Block	10	City Government Office West Bldg. ※2 (Formerly Anakiri Elementary School)	Takara 2-8-19	2F	○
	11	Nishi Jr. H. School	Iida 5-13-1	2F	○
	12	Ishida El. School	Kamiishida 3-6-31	2F	○
	13	Nansei Jr. H. School	Kamiishida 4-10-8	2F	○
	14	Ikeda El. School	Choshoji cho 7-1	2F	○
	15	Kofu Josai H. School	Shimoiida 1-9-1	2F	○
	16	Kofu Nishi H. School	Shimoiida 4-1-1	2F	○
	17	Shinden El. School ※1	Shinden cho 12-28	2F	○
	18	Tomitake Jr. H. School	Tomitake 4-5-8	2F	○
	19	Kugawa Welfare Center	Tokugyo 3-12-1	2F	○
	20	Kugawa El. School	Kugawa Honcho 8-1	2F	○
	21	Western Comminity Center	Choshoji cho 12-30	2F	○
South Block	22	Yuda El. School	Yuda 1-8-1	2F	○
	23	Ise El. School	Ise 2-16-1	2F	○
	24	Minami Jr. H. School	Yuda 2-21-24	2F	○
	25	Kokubo El. School	Kokubo 4-1-10	2F	○
	26	South-Western Community Center	Kokubo 6-4-2	2F	○
	27	Okuni El. School	Ushiroya cho 150	2F	○
	28	Kamijo Jr. H. School	Furukamijo machi 95	2F	○
	29	Kofu Shogyo Commercial H. School	Kamiimai cho 300	2F	○
	30	Kofu Minami H. School	Nakakogawara 222	2F	○

Block	No.	Name	Address	Classification: Flood	Classification: Sediment disasters
South Block	31	Yamashiro El. School	Kamiimai cho 474-2	2F	○
	32	Environmental Center Admin. Bldg.	Kami cho 601-4	2F	○
	33	Southern Community Center ※2	Shimoimai cho 15	Rooftop	○
	34	Osato El. School	Osato machi 3785-2	2F	○
	35	Jonan Jr. H. School ※2	Osato machi 2590-1	2F	○
	36	Nakamichi Minami El. School	Shimomukoyama cho 4366	○	○
	37	Nakamichi Kita El. School ※2	Kamisone cho 3368-36	3F	○
	38	Tekinan Jr. H. School ※2	Shimosone cho 270	3F	○
	39	Nakamichi Sports Field Gymnasium	Shimomukoyama cho 946	○	○
	40	Kamikuishiki Branch Office	Furuseki machi 1158	–	○
North Block	41	Kita Jr. H. School	Daiwa cho 4-35	2F	○
	42	Kofu Daiichi H. School	Misaki 2-13-44	○	○
	43	Hokushin El. School	Kitashin 1-5-1	○	○
	44	Aikawa El. School	Kofuchu cho 1501	○	○
	45	Hokuto Jr. H. School	Oote 2-4-18	○	○
	46	Chizuka El. School	Chizuka 1-2-16	2F	○
	47	Northern Comminity Center	Yumura 3-5-20	2F	○
	48	Haguro El. School	Haguro cho 527	○	○
	49	Yamamiya Welfare Center	Yamamiya cho 383-1	2F	○
	50	Hokusei Jr. H. School ※1 ※2	Yamamiya cho 538	2F	○
	51	Chiyoda El. School	Shimoobina cho 3034-2	○	○
Central Block	52	Maizuru El. School	Marunouchi 2-35-5	2F	○
	53	Central Community Center	Marunouchi 3-26-16	2F	○
	54	Fujikawa Yuyu kan	Chuo 3-3-1	○	○
	55	Asahi El. School ※1	Shiobe 1-4-1	○	○
	56	Kofu Kogyo Technical H. School	Shiobe 2-7-1	2F	○
	57	Shinkonya El. School	Takeda 1-3-34	○	○
	58	North-Eastern Community Center	Takeda 3-1-6	○	○
	59	City Government Office South Bldg. (Former Aioi El. School)	Aioi 2-17-1	2F	○
	60	City Government Office South Bldg Annex ※2 (Former Jichikenshu Center)	Aioi 1-9-7	2F	○

※1 During floods, Shinden Elementary School's south building, Asahi Elementary School's gymnasium and east building, and Hokusei Junior High School's north building and gymnasium will not be usable.
※2 During floods and inundation disasters, these facilities will be used as designated emergency evacuation shelters.
Note: As these usable areas cannot fully guarantee safety, prioritize evacuation outside flood-prone areas and landslide danger zones when taking evacuation measures depending on the situation during actual disaster conditions.

■Temporary evacuation sites

Name	Address
Kai City Kissawa Regional Fureaikan	233-2 Kissawa, Kai City
Arakawa Dam Memorial Hall	Kawakubo-cho 583

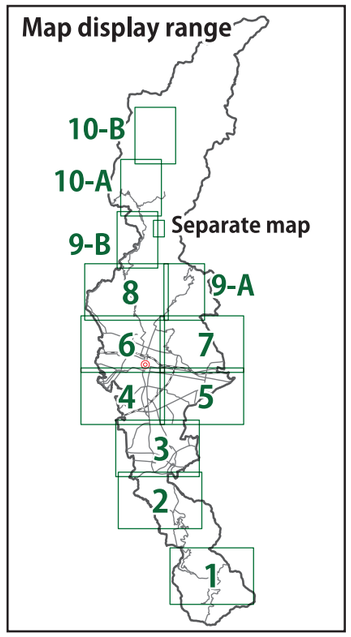
■Designated Emergency Evacuation Shelters during Flood and Inundation Disasters

Name	Address	Usable areas: Flood	Usable areas: Sedimentb disasters
Kofu Commercial College	Nishishimojo-machi 1020	2F stairs and rooftop	○

2-6. Geographical reasons behind the disasters affecting Kofu city

The Kofu basin, located between the mountains in the north and south of the city, is formed by many different rivers including The Fuefuki River and The Kamanashi River. The natural conditions of the basin make it a particularly flood-prone area. The small- and medium-sized rivers as well as the city drainage water tend to suddenly overflow inundating the low-lying areas due to concentrated heavy downpours as well as the basin's steep inclination and development of land for housing lots.

The map on the right shows the topography around Kofu City and the inundation range when the target rivers overflow. When flooding occurs, stay away from the river and evacuate as far as you can.



Map Frame	Page
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2	P17-18
3	P19-20
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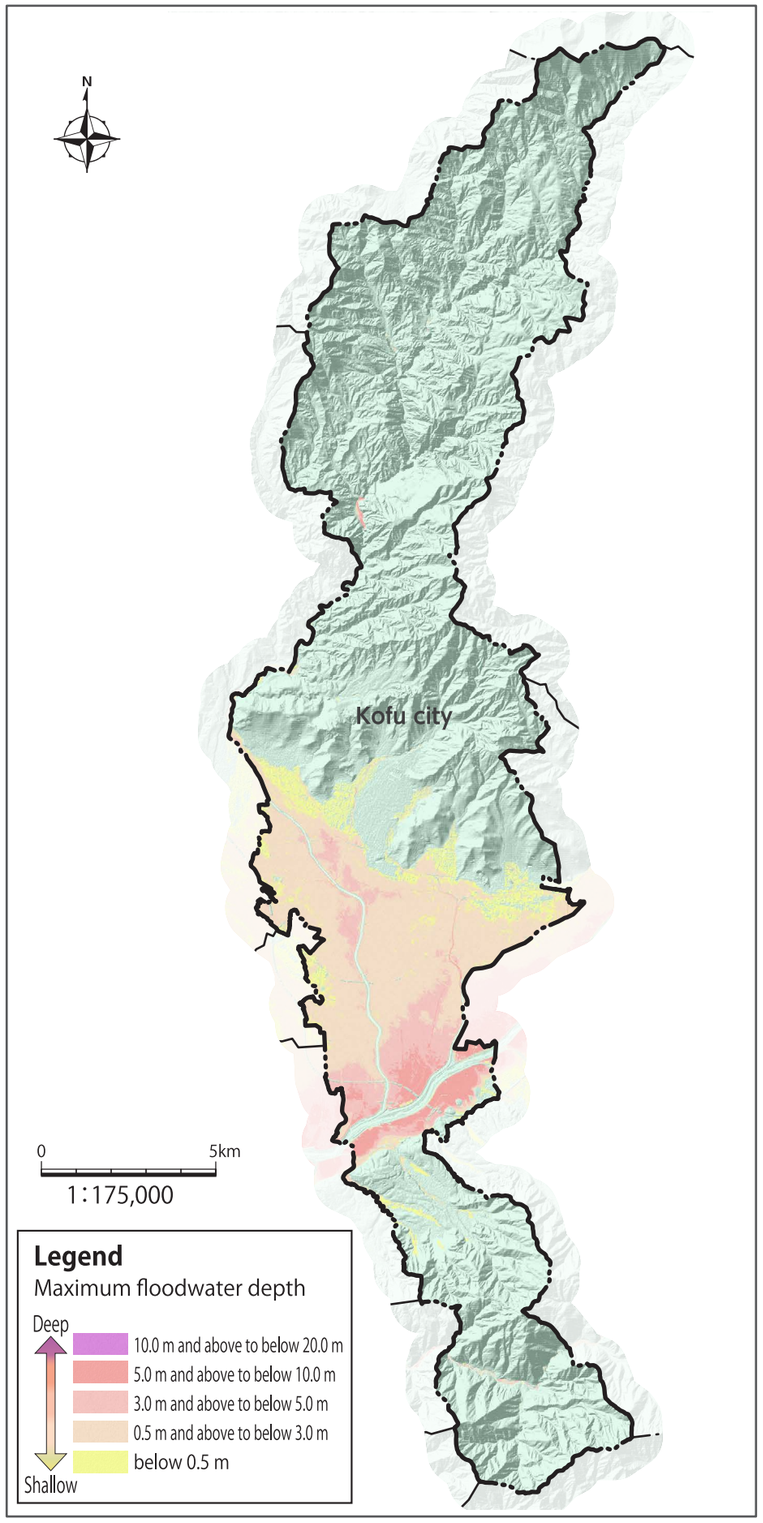
5	P23-24
6	P25-26
7	P27-28
8	P29-30
9A、9B	P31-32
10A、10B	P33-34



2-7. How to read this hazard map

From pages 15 to 34, large-scale maps are used to introduce the flood hazard maps for Kofu City.

① Find your location in the following maps

Find your home, workplace or school from Block 1 to 10. Open the relevant page.

② Check whether the area is colored or marked

Once you have checked your current location, check what color your location is highlighted.

③ Check which warning category your location falls

If the location of your house is colored or marked with a colored line, compare the color with the legend, and check which area the location is designated in.

④ Locate a nearby evacuation site or shelter

Identify the locations of the nearest "Designated evacuation shelter" or "Temporary evacuation site".

⑤ Check your evacuation routes

Identify evacuation routes from your home to the "designated evacuation shelter" or the "temporary evacuation site" on this map. Consider avoiding a route which includes high flood depth predicted areas and sediment disaster (high) warning issued areas.

