

Act /

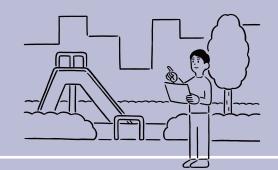
It is important toward getting through a natural disaster to know, think and act. Thinking about what to do if a calamity were to strike BEFORE it occurs should help you to quickly judge the situation, make decisions and take the appropriate action. Disaster preparedness in Suita City begins with each and every one of us knowing what to do, thinking about one's situation and actually taking action in a disaster.

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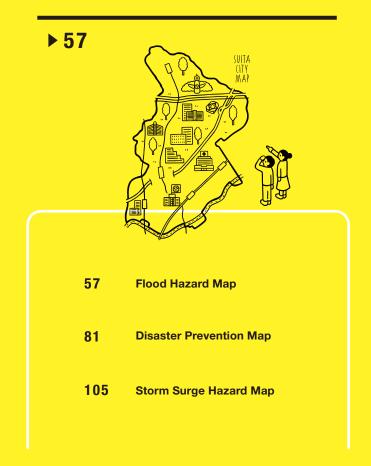
## What You Need to Know About Disaster Preparedness

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5	PICK UP What You Need to Know About Disaster Preparedness	
13	<b>1</b> When natural disasters strike	
25	2 Knowing is the first step to being prepared	
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## **Disaster Prevention Maps**

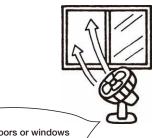




## Good sanitary practices for refuge shelters



You live with other people at a refuge shelter, so here are some wise sanitary practices.



Open two doors or windows so that air can flow.



In many cases, it's OK to go home to get supplies after once evacuating to a shelter.

Masks, thermometers and sanitizers can run out, so bring your own if you need to evacuate.

Sanitize hands before and after using shared facilities and supplies.

Periodically sanitize shared facilities and supplies.



Follow the instructions of your doctor.

If caring for someone sick at home or evacuating a sick person to a shelter

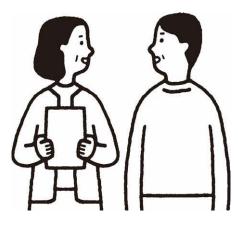
- Isolate the sick individual. Eat and sleep in separate rooms.
- Restrict who cares for the sick individual.
- Wash and sanitize hands before and after providing care.
- Periodically ventilate the room occupied by the sick individual.
- Seal garbage before disposal.







## Refuge shelters tend to the needs of women.



Both men and women are involved in operating a refuge shelter.



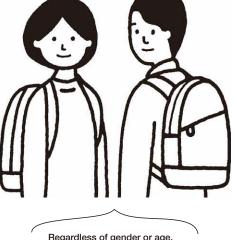


Space is provided where women can hang laundry, change clothes, breast-feed, etc.

Women's toilets are provided in ample number and located in well-lit places.

Security patrols are conducted at refuge shelters.

Counseling is provided at refuge shelters.



Regardless of gender or age, people at refuge shelters go to work and school. Men and women do not play stereotypical roles.



Strong people are needed to help carry heavy pots.



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### Preparing your kids for disaster

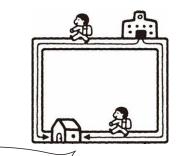


#### Practice makes perfect

To ready your children for potential disasters

Practice using payphones and Japanese toilets.

Take different routes home from school.



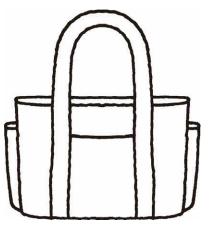
In a disaster, the usual route home may be impassible.





Decide where to meet if a disaster occurs and you cannot immediately go pick up your kids.





#### If evacuating

Do not bring strollers. Use a baby carrier and carry infants in front of you.

Mom's usual diaper bag works great for carrying your emergency supplies.

Other emergenc	y items to consider	Masks (For adults/kids)	
Sanitary sheets	Whistle	Toys	
Bottled water	Baby formula (More than usual)	Snacks (More than usual)	etc.



#### Volunteering to help in a disaster



There is need for all sorts of help in a disaster: removing debris, cleaning, cooking, distributing supplies, etc.



Gather

information

Sign up

Get ready

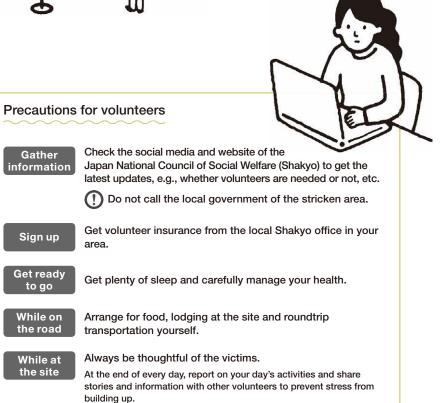
to go

While on

the road

While at the site Sign up to volunteer at a volunteer center set up in the disaster-stricken area.

\* You might have to register online first.





Clothing and items appropriate for the season and disaster

11

# When natural disasters strike

Quick action on your part can mean the difference between life and death.

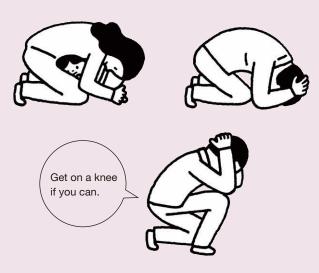
Knowing ahead of time what to do in the event of a natural disaster can save your life and the lives of your loved ones.

- 15 What to do in a natural disaster **1** First, cover your head
- 17 What to do in a natural disaster **2** Evacuate as dictated by your situation
- 23 Know the safe way to evacuate



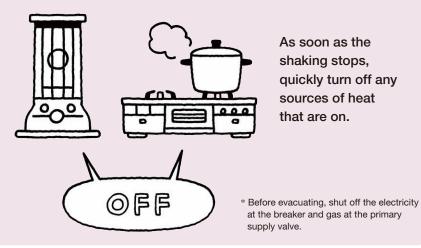


## First, cover your head.



Get low to the ground, cover your head and hold tight. Flee to an open place.





at the breaker and gas at the primary



Once the shaking has stopped, check the evacuation route.

### Evacuate as dictated by your situation.



M6.1 Earthquake in OO

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#### Earthquake

If your house is about to collapse or a big fire has broken out nearby, evacuate to a temporary evacuation site or an open place.



#### Earthquake

At a station or on a train or bus

Watch out for falling objects. Calmly evacuate as instructed by announcements.

#### Earthquake

#### Residential area

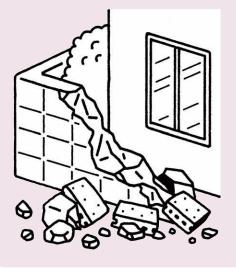
Stay away from cinder block and stone walls, and gate pillars. Watch out for falling rooftiles, etc.

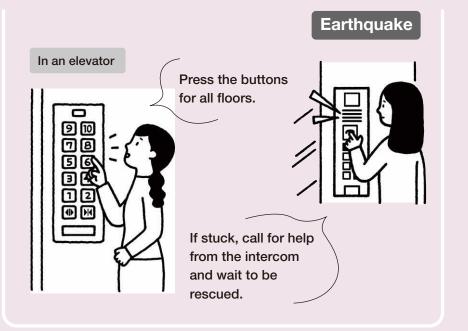
## Earthquake Flood

Get accurate information. Don't be fooled by rumors or hearsay.

#### [From a survey of Suita residents] Where do you get your information in a natural disaster?

 86.3 %
 Internet news site 71.7 %
 Radio 27.7 %



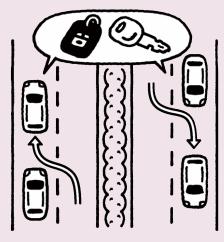


Earthquake



At a supermarket or convenience store

Cover your head and calmly evacuate.



#### Earthquake

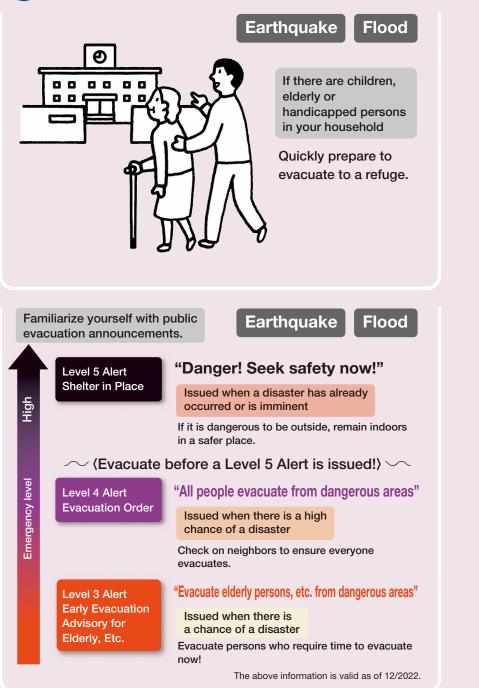
If driving

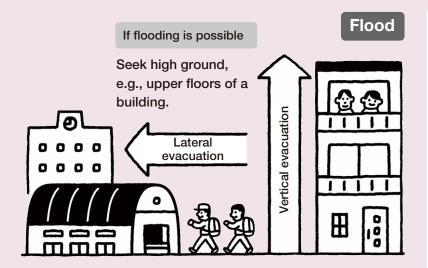
Stop on the left shoulder of the road. When the shaking stops, leave the key in the ignition and evacuate on foot.

Earthquake

If out visiting somewhere

Remain in a safe place. Do not go anywhere without thinking.







#### Tsunami/Flood Evacuation Building of Suita City

Tsunamis do not pose a direct threat to Suita, but flooding does. Therefore, the city designates Tsunami/Flood Evacuation Buildings for evacuating from tsunamis and other forms of flooding.

 $\rightarrow$  For locations, see the Flood Hazard Map on page 57 and beyond.

Flood

## Know the safe way to evacuate.



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#### Earthquake

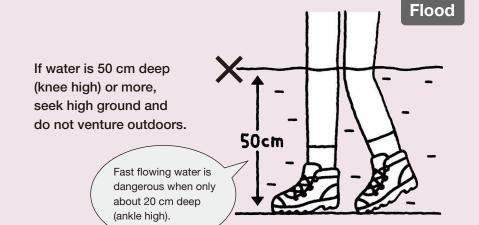
Do not evacuate by car. You risk getting stuck in traffic and blocking emergency vehicles. Walking through high water is dangerous. Use a pole to probe for open manholes and gutters.





Earthquake Flood

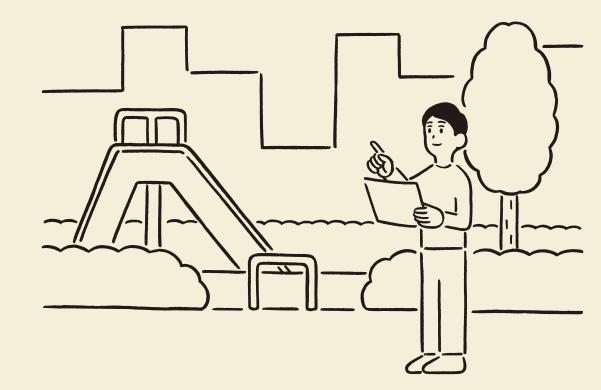
Check on neighbors and evacuate.



# **2** Knowing is the first step to being prepared

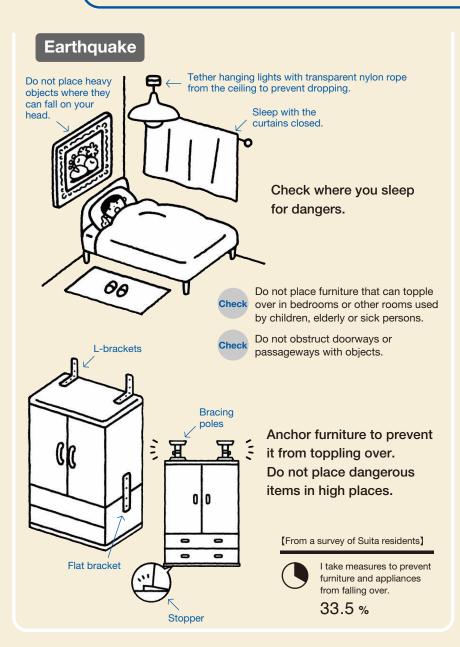
What can happen in a natural disaster? Knowing about disasters will guide you through calamity.

- 27 Be prepared!
- 33 Maintain reserves of food and water
- 35 Prepare sanitary needs for your family (Toilet frequency: 5 times/day/person)
- 37 Wear clothes that are safe and permit mobility to evacuate
- 39 Plan ahead
- 41 If you live in an apartment building
- 43 (Column) Basic knowledge of earthquakes
- 29 Disaster preparedness checklist ①
- 31 Disaster preparedness checklist 2



Storm and flood

### **Be prepared!**





If a typhoon is approaching, move plants, laundry poles and outdoor items indoors before the storm arrives.



Keep gutters clean on a regular basis.



Disaster preparedness checklist 2

Emergency supplies to take with you in an

• Keep these items in a readily accessible place so that

you can gather them quickly if needing to evacuate.

Sort emergency supplies by those you will take with you in an evacuation and those you keep at home.

Needed for families with infants

Needed for households with elderly persons

### Emergency food and water

Prepare bottled beverages (water, juice, etc.) and foods that can be eaten without cooking such as canned foods, cookies, etc. Chocolate, caramels and other snacks are good emergency foods because they are high in calories. Prepare also retort foods, instant noodles and the like.





Heatable kitchen wrap

Plastic bags

Plates can be covered in plastic wrap to conserve water consumed by washing dishes. Aluminum foil is useful in cooking.



Protect against dust, blown sand and infectious diseases.





Do not forget baby



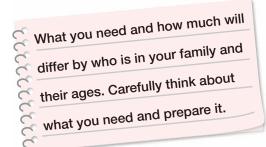
First-aid kit/Household medicines

Adhesive plasters, bandages, gauze, tweezers, scissors, nail clippers, cooling sheets, etc.



### Lots can be found at a ¥100 shop!

If shopping for emergency supplies seems bothersome, you can find knives, lighters, slippers, aluminum sheets, portable toilets and more all in one place.



evacuation

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Cellphone charger



Emergency buzzers

work, too.





n

Flashlight

Prepare spare

batteries, too.

Gloves

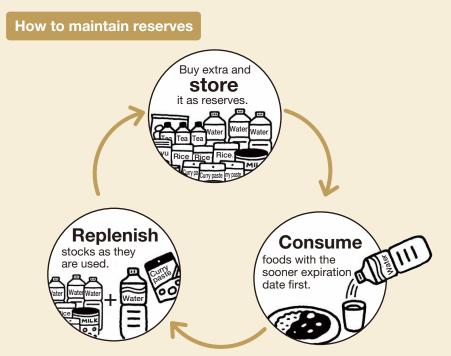


Stuffed animals/toys Rain gear

## Maintain reserves of food and water.

Keep 3 days' worth — if possible, 7 days' worth or more — of food reserves and enough water to provide each person with 3 L per day.

Buy more of the foods, water and other daily essentials you normally do and replenish stocks as they are used.



A little effort in your daily routine will pay off a natural disaster.

#### Even if you evacuate to a refuge

They say that emergency supplies take 3 days to get where they are needed. So, bring enough food and water to last you and your family for at least 3 days, a week if possible.



Fresh foods are unavailable in a disaster. Therefore, keep food reserves that make up for lost nutrition in order to maintain a nutritional balance.

Soup

eef Stev

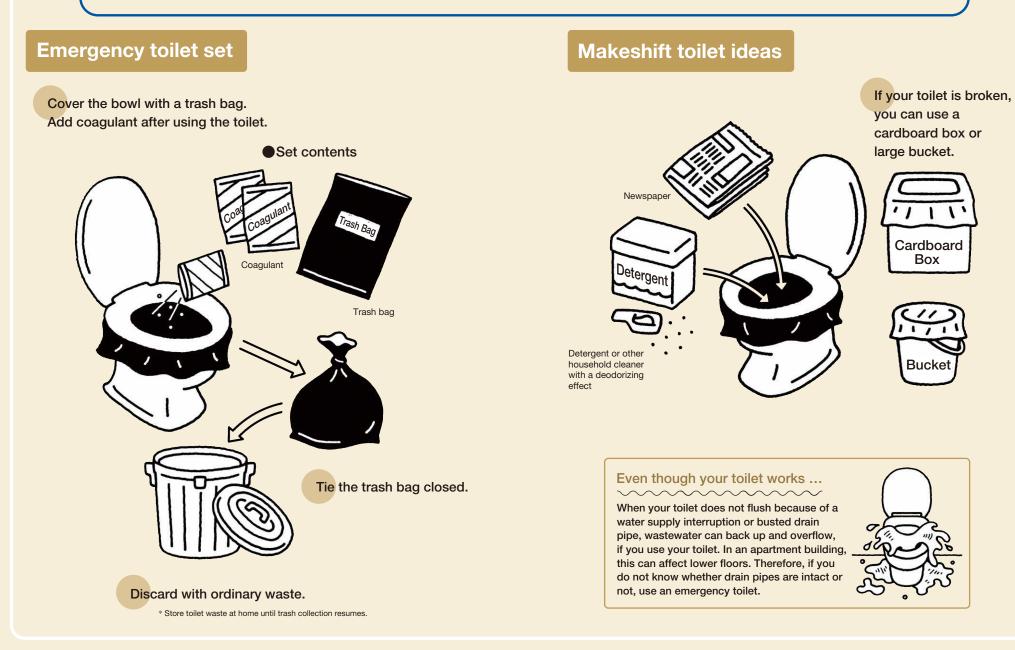
Prepare foods needed by children, elderly and family members with allergies.



Refrigerated foods work as reserves, too. But, in a disaster, consume

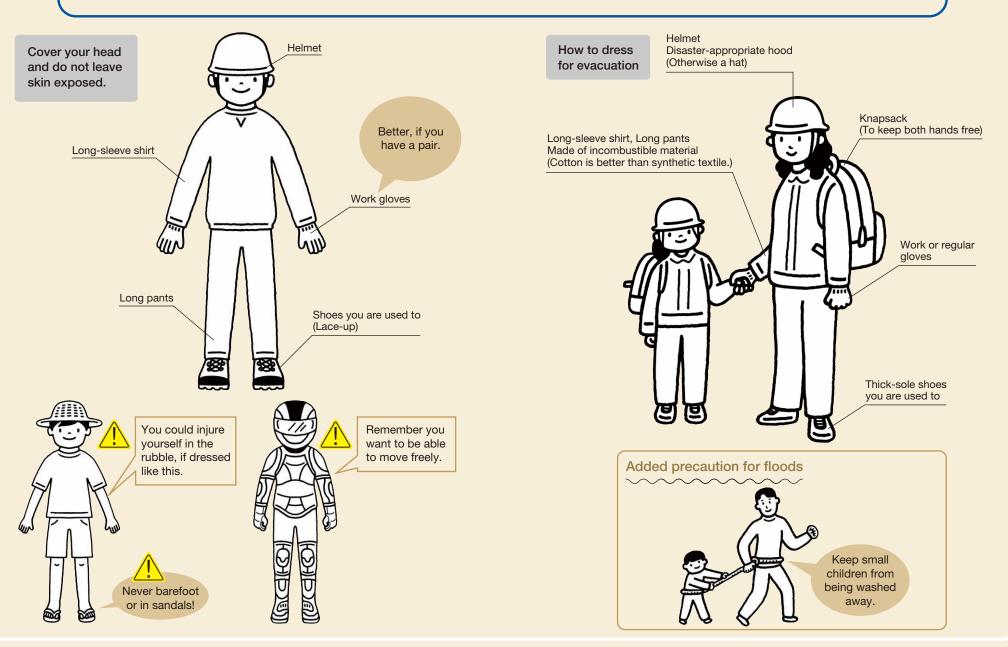
perishables first.

Prepare sanitary needs for your family (Toilet frequency: 5 times/day/person).



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# Wear clothes that are safe and permit mobility to evacuate.



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### Plan ahead.



Determine how to contact each other in the event of a disaster.

Use email and social media.  $\sim\sim\sim\sim\sim\sim$ 

Regularly using email, LINE and social media like Facebook and Twitter will prove useful in an emergency.

[From a survey of Suita residents]

We have determined in our family how to contact each other and where to meet in the event of a disaster. 23.4 %

I know the evacuation route to the refuge near my house. 34.5 %

Locate the refuge and confirm the route there with your family.





Walk the route to the refuge to identify any dangers and see how long it takes to get there.

your door.

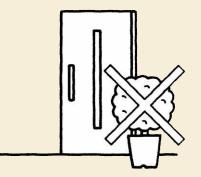
We are all safe!

## If you live in an apartment building

Keep partitions and emergency hatches clear and unobstructed.

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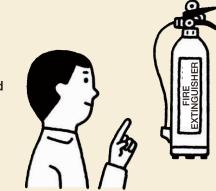




Keep passageways, emergency stairs and emergency exits clear and unobstructed.



Confirm where fire extinguishers are and how to use them.





Pay attention to communications from building management.

If the pumps stop working, there is no water supply. Prepare ample food and water reserves especially if living on the upper floors.



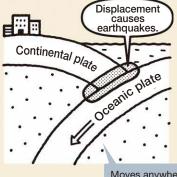
## **Basic knowledge of earthquakes**

The shaking felt in an earthquake is measured in 10 levels of "seismic intensity" from 0 to 7.

		-		
Seismic Intensity 0 – 3	<ul> <li>Shaking is not perceived. –</li> <li>Shaking is perceived indoors.</li> </ul>			
Seismic Intensity 4	Hanging lights sway considerably.			
Seismic Intensity 5 Weak	Most people look for something to hold onto out of fear.			
Seismic Intensity 5 Strong	<ul> <li>It is difficult to walk without holding onto something.</li> <li>Unanchored furniture topples over.</li> </ul>			
Seismic intensity red	Seismic intensity recorded in the Northern Osaka Earthquake in 06/2018			
Seismic Intensity 6 Weak	Wall tiles and windows break and scatter shards. Doors jam.			
Predicted intensity of	Predicted intensity of massive Nankai Trough Earthquake			
Seismic Intensity 6 Strong Predicted intensity of Uemachi Fault Earthquake (In most of the city)	<ul> <li>Most unanchored furniture is displaced and many pieces topple over.</li> <li>It is impossible to move without crawling.</li> </ul>			
Seismic Intensity 7 Predicted intensity of Uemachi Fault Earthquake (In parts of the city)	<ul> <li>Many wooden buildings of low aseismic performance lean or collapse.</li> <li>Reinforced concrete buildings of low aseismic performance collapse.</li> </ul>			

Created from the seismic intensity table of the Japan Meteorological Agency

Earthquakes are caused by the release of energy accumulated in the bedrock deep underground as the bedrock is displaced.



## Earthquake mechanism at the interface of tectonic plates

The earth's crust is composed of some 10 odd bedrock plates, 4 of which converge around Japan and apply complicated mechanical forces that make Japan one of the world's most active earthquake zones.

#### [Interplate earthquake]

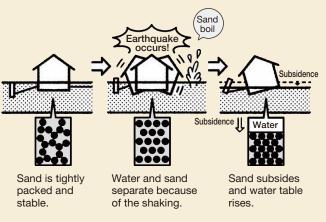
As the oceanic plate sinks, it drags the continental plate underground. When the continental plate can no longer withstand being dragged under, it snaps back into place, causing earthquakes in the process. Tsunamis are a threat to coastal areas. (e.g. Great East Japan Earthquake of 2011)

#### [Intraplate (inland, near-field) earthquake]

This type of earthquake is caused by pressure build-up behind the tectonic interface. Earthquakes can occur either in the oceanic plate or in shallow areas (active faults) of the continental plate. (e.g. Great Hanshin-Awaji Earthquake of 1995, Niigata Chuetsu Earthquake of 2004, and Kurnamoto Earthquake of 2016)

#### [Liquefaction]

Liquefaction is an earthquakedriven phenomenon in which the ground is liquefied by the shaking from the earthquake. It can cause buildings to subside and lean, as well as displace sewer pipes and blow off manhole covers.



Moves anywhere from a few cm to 10 cm a year.

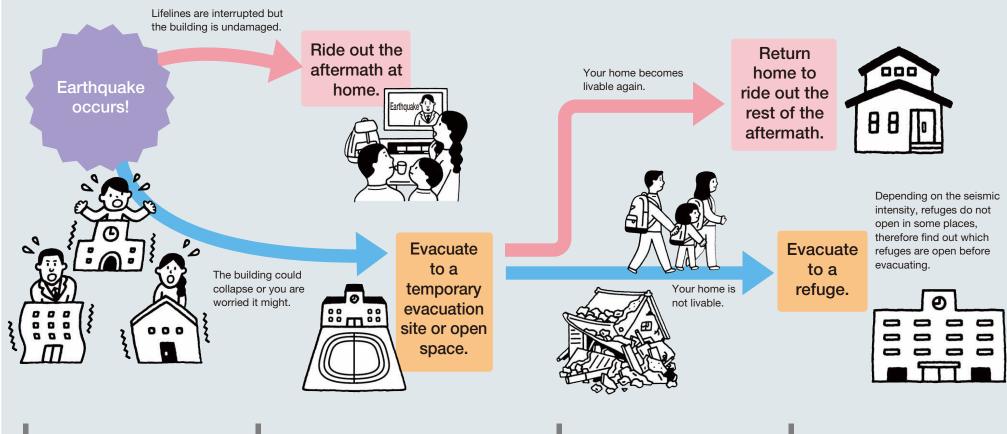
## **3** Life after a natural disaster

After a natural disaster, check the damage situation and decide whether to go to a refuge or ride the aftermath out at home. The better prepared you are, the better your chances are of cutting it at home.

- 47 Know the evacuation process
- 49 Rules on garbage from a natural disaster
- 51 Getting through a disaster with pets
- 53 Rules and etiquette to observe at refuges
- 55 (Column) Caring for the mental health of children



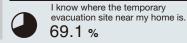
#### Know the evacuation process.



#### Temporary evacuation site

These sites are believed safe against secondary disasters that can be triggered by aftershocks, etc. They have been designated by the city for people who prefer not to wait out the early moments after a disaster at home. An open space of about 1 ha (10,000 m<sup>2</sup>) or larger.

[From a survey of Suita residents]



#### Wider-area evacuation site

These sites are believed safe against spreading fires and other dangers. This is where you should evacuate if so instructed by municipal staff, police or fire crew. An open space of about 10 ha (100,000 m<sup>2</sup>) or larger.

#### [From a survey of Suita residents]

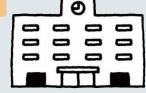
I know where the wider-area evacuation site near my home is. 54.1 %

#### **Refuge shelter**

The city opens refuges when homes have been totally or partially destroyed by an earthquake, or there is storm and flood damage.

#### [From a survey of Suita residents]





#### Welfare refuge

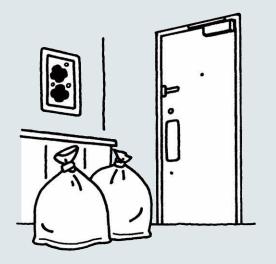
These refuges are for people that require special assistance such as persons with disabilities, etc. They are not opened immediately after a disaster.

#### [From a survey of Suita residents]



I know where the welfare refuge near my home is. 16.7 %

# Rules on garbage from a natural disaster



Store garbage at home until trash collection resumes.



Do not place garbage on the street as it can block emergency vehicles.



Separating your garbage is all the more important because of the disaster situation.



Place damaged furniture and other waste that must be discarded in a hurry in the designated location.

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### Getting through a disaster with pets

Disciplining your pet will prove useful in a disaster.



Vaccinate your pet.

Microchip or fit your pet with a collar and tag.

> Do not forget to prepare emergency supplies for your pet.



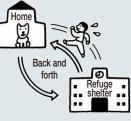
Acquaint your pet to cages and carriers.

Train your pet to do his/her business in a designated spot.



#### How to live with your pet in a refuge shelter

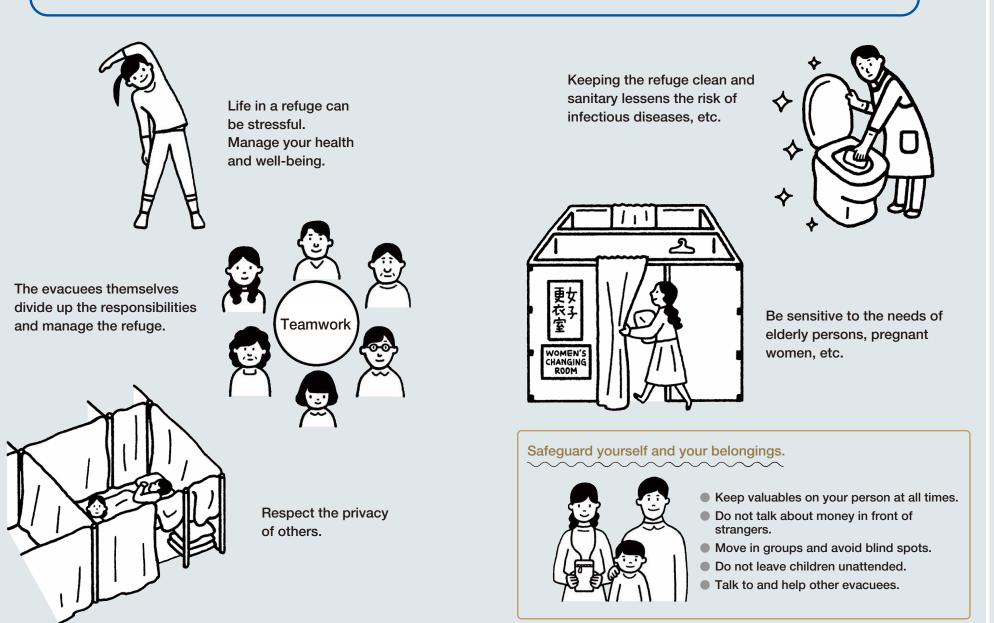
- Abide by shelter rules and tend to your pet responsibly.
- Keep your pet caged or leashed out of consideration for children and persons with pet allergies.
- Periodically walk your pet so that he/she does not become stressed.
- Bring your pet to evacuation drills so that he/she can get used to being around people.



- You can also leave your pet at home and return to take care of him/her.
- It is important to secure a place for your pet in the event of an emergency.

For more information, see the Ministry of the Environment's "Are You and Your Pets Safe in Case of Disaster? Disaster Preparedness Guideline for Humans and Pets <For General Pet Owners>".

# Rules and etiquette to observe at refuges



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## Caring for the mental health of What is the best thing to say to children? children How can you engage children without hurting their feelings? Watch Watch out for children that are not behaving as usual.

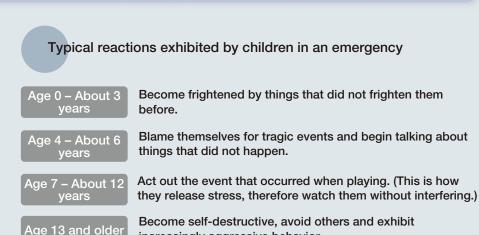
#### Listen

Listen to what children have to say so that they can vent their feelings.

#### Seek help

Consult a specialist if further support is needed.





Children can become frightened by the shaking caused by aftershocks and may have to sleep in the car.

increasingly aggressive behavior.

#### What you can do ahead of time

Include toys your children are used to in the emergency supplies you take with you in an evacuation.



Talk to your children about how to act in an emergency ahead of time.

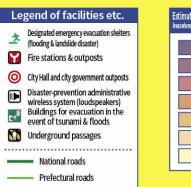


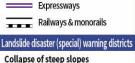
\* The above information was prepared from "Psychological First Aid for Children" at www.savechildren.or.jp.

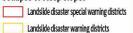
# **Flood Hazard Map**

[Perspective on estimated flood and inundation districts]

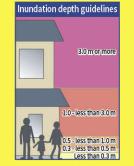
- This flood hazard map shows disaster prevention facilities such as inundation areas, places where there is a risk of sediment-related disasters, and evacuation facilities, which are expected when rivers are flooded by heavy rain.
- The flood inundation area is expected to be flooded when the Yodo River, Kanzaki River, Al River, Taka River, Itoda River, Kami River, Kami River, Kami River, Masajaku River, Yamada River, etc. are flooded due to the flood caused by the maximum expected rainfail. The situation is obtained by simulation, and the maximum inundation depth of each is superimposed and displayed.
- During an actual flood, inundation may occur or the inundation depth may become deeper in places other than the estimated inundation area shown in this map. In addition, sediment-related disasters may occur in places other than the sediment-related disaster warning areas shown in this map.
- Source: "Yodo River Flood Inundation Area Map" (Ministry of Land, Infrastructure, Transport and Tourism Yodogawa River Office) "Yodo River system Ai River basin flood inundation estimated area map" (Osaka) "Sediment-related disaster caution area and sediment-related disaster special caution area" (Osaka)
- [Rainfall conditions that are the premise of calculation]
- ●Yodo River system Yodo River, Uji River, Kizu River, Katsura River (Yodo River Office, March 2nd year of Reiwa)
- 4-hour total rainfall 360 mm in the upper reaches of Hirakata 24-hour total rainfall 776 mm, advances and the open reaches of maximum and the open reaches of the All River, 24-hour total rainfall 776 mm, maximum hourly rainfall 189 mm in the upper reaches of the All River 24-hour total rainfall 776 mm, and mum hourly rainfall 189 mm in the upper reaches of the Yamada and 24-hour total rainfall 776 mm, and the maximum rainfall 189 mm in the upper reaches of the Yamada and 24-hour total rainfall 776 mm, and the maximum and the fall 189 mm in the upper reaches of the Yamada and 24-hour total rainfall 780 mm reaches of the Yamada and 24-hour total rainfall 780 mm.
- Taisho river basins •Yodo River system, Kanzaki River, etc. (January 2nd year of Reiwa, Osaka Prefecture) •24-hour total rainfall 737 mm, 1-hour maximum rainfall 81.1 mm (average upstream of Kashima point)
- Vodo River system, itoda River, Kami River (January 2nd year of Reiva, Osaka Prefecture)
   -24-hour total rainfall 1150 mm, 1-hour maximum rainfall 145.7 mm in the upper reaches of the Kanzaki River
   confluence
- Yodo River system, Taka River (January 2nd year of Reiwa, Osaka Prefecture)
   \*24-hour total rainfall 1150 mm, 1-hour maximum rainfall 145.4 mm in the upper reaches of the Kanzaki River
   confluence

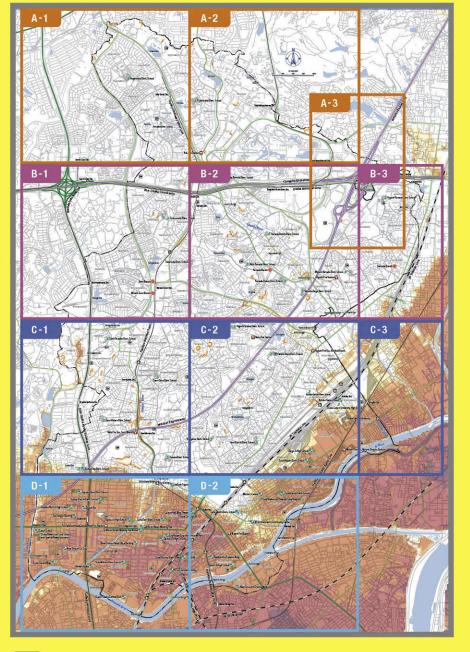












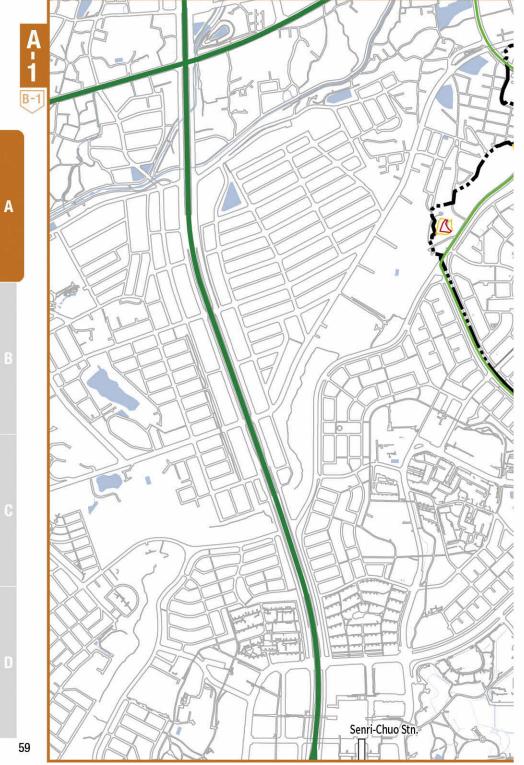
Published by General Affairs Department Crisis Management Office, Suita City 1-3-40 Izumi-cho, Suita-shi, Osaka / TEL: 06-6384-1753 (direct line) March 2022 In creating this map, we used the basic map information issued by the Geospatial Information Authority of Japan with the approval of the director of the Geographical Survey Institute. (Approved by the Director of the Geographical Survey Institute based on the survey method (use) R 3JHs 885)

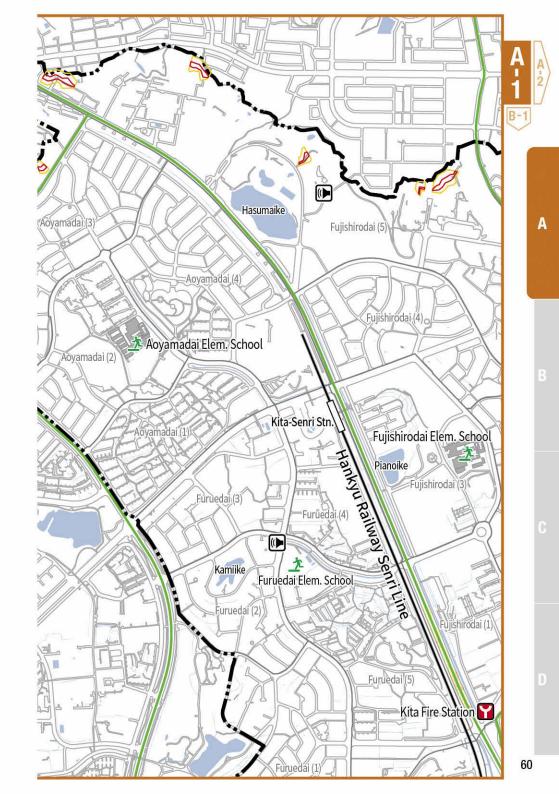
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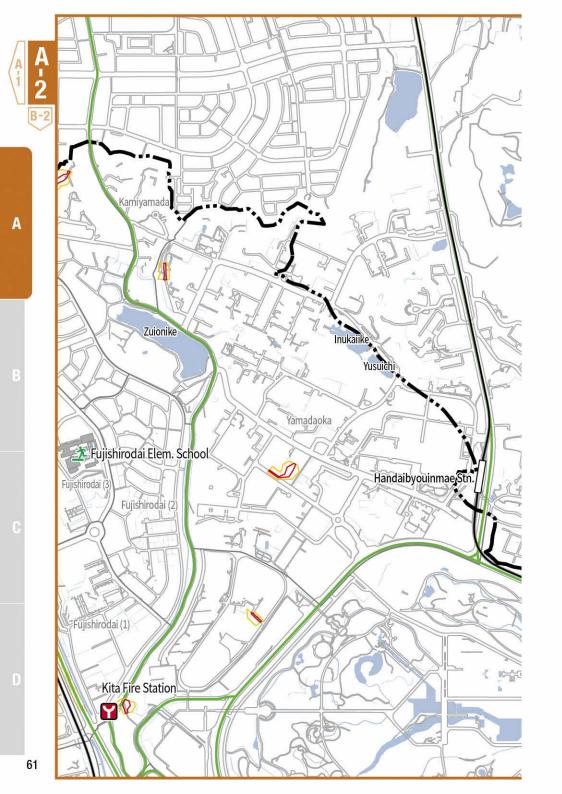
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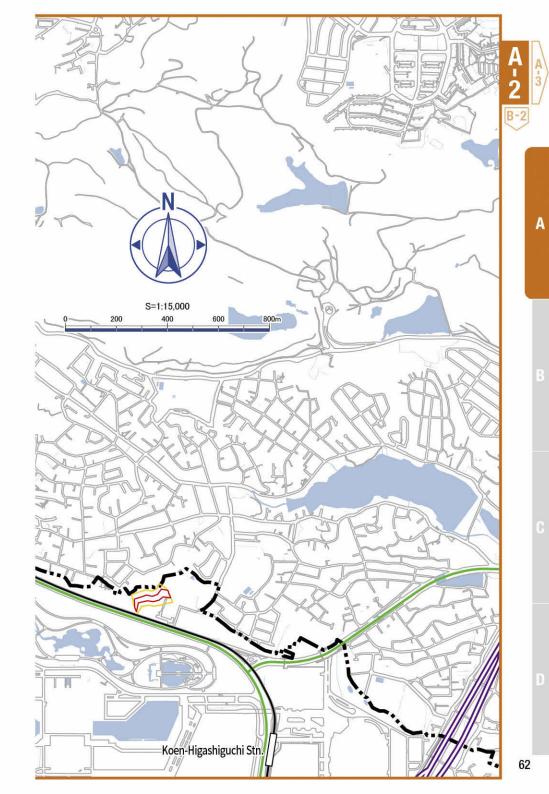
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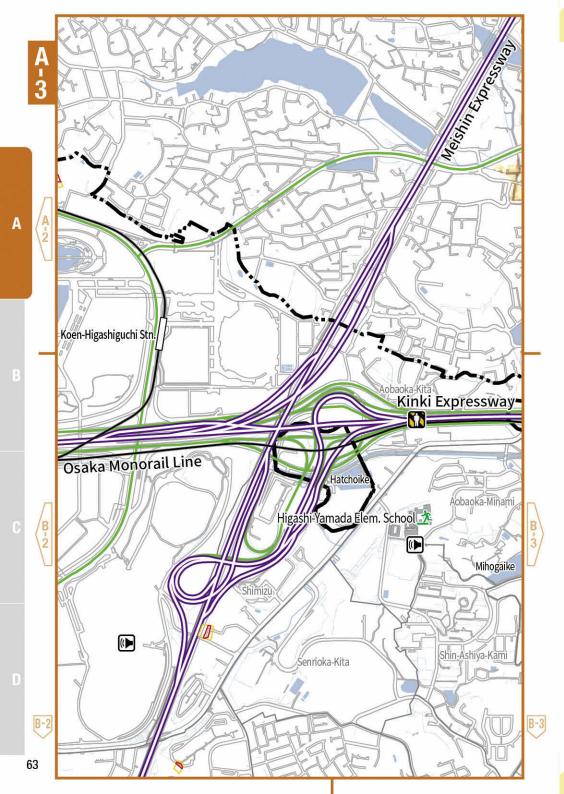
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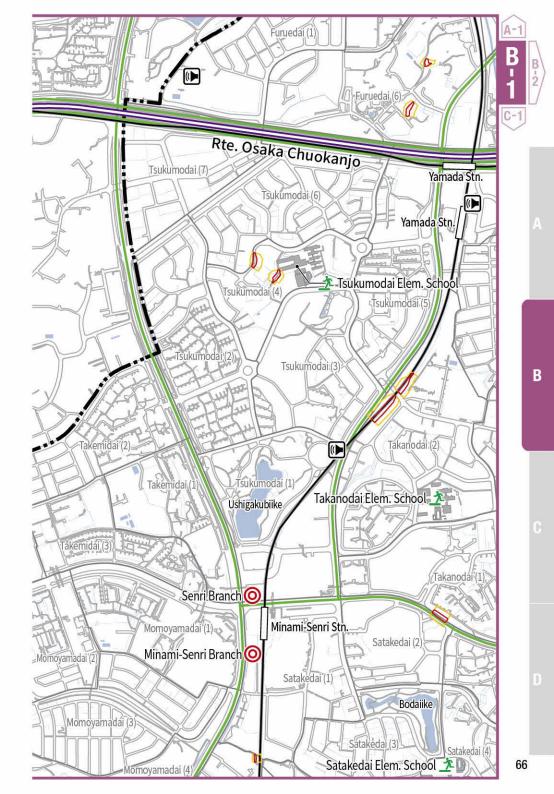




## PICK UP Update your supplies 1

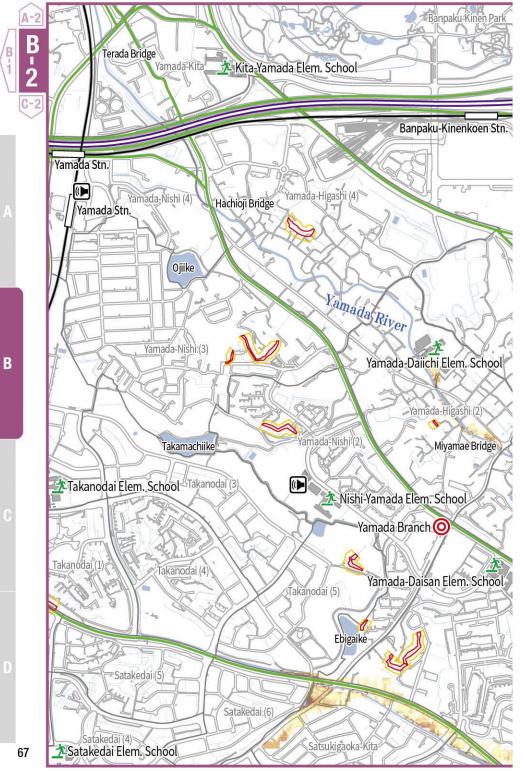


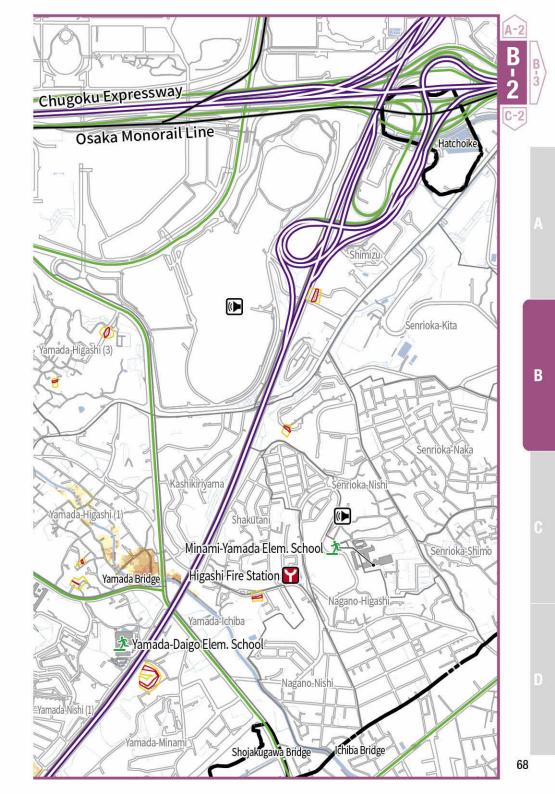


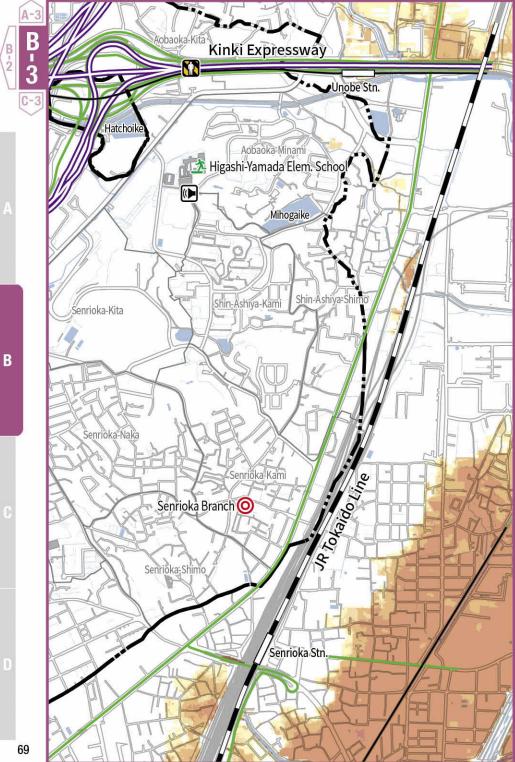


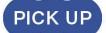
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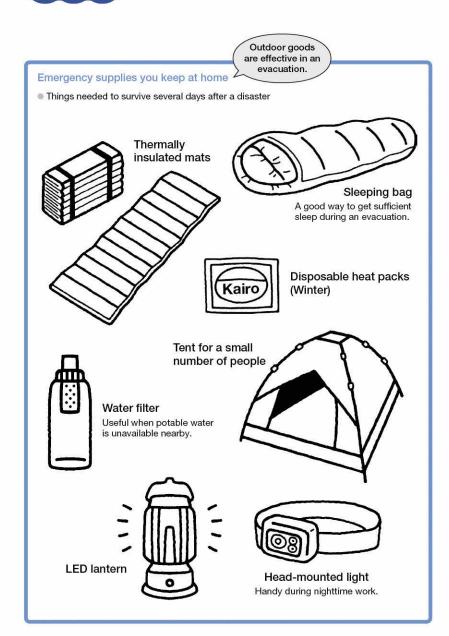


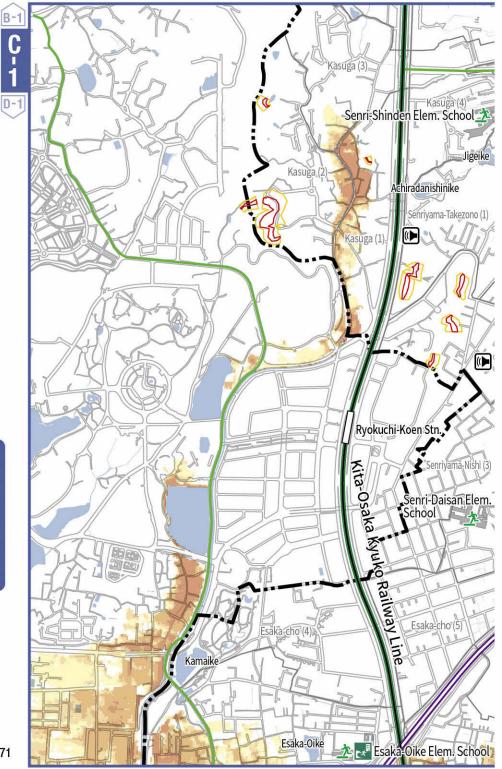


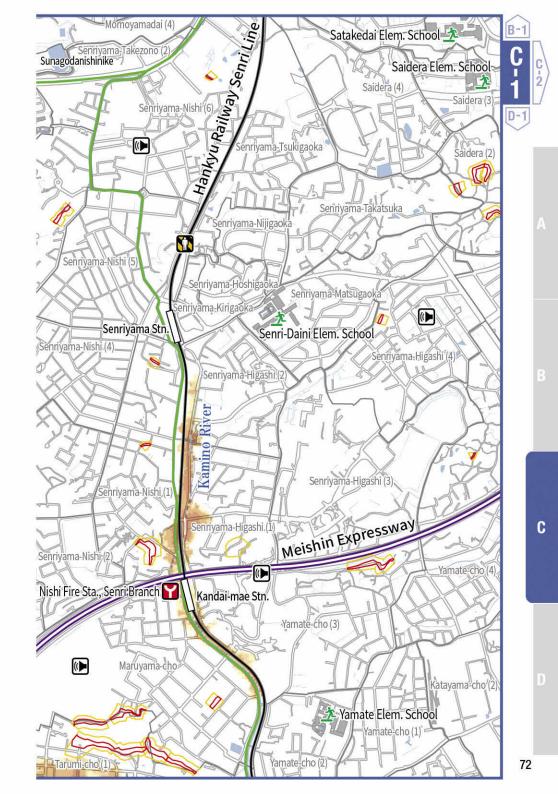




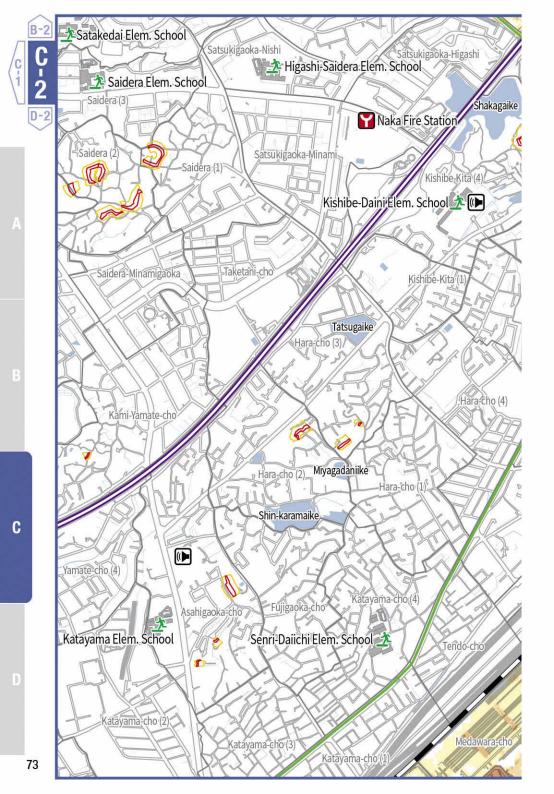
## Update your supplies 2

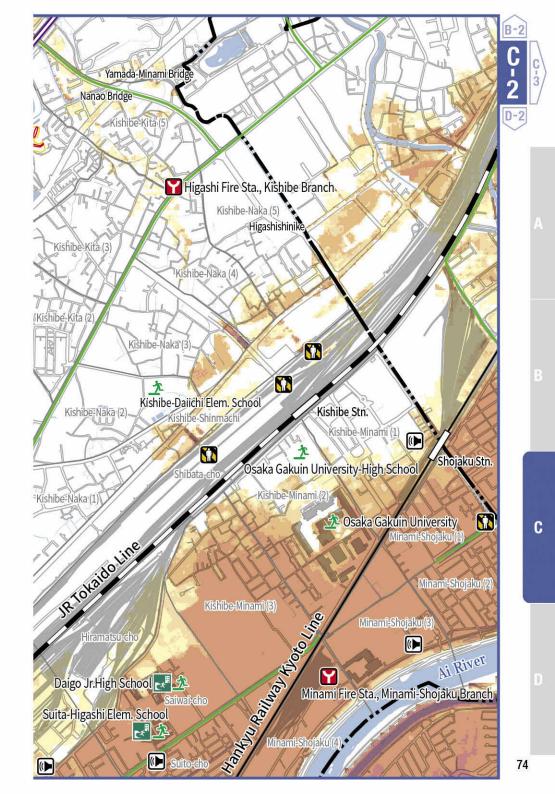


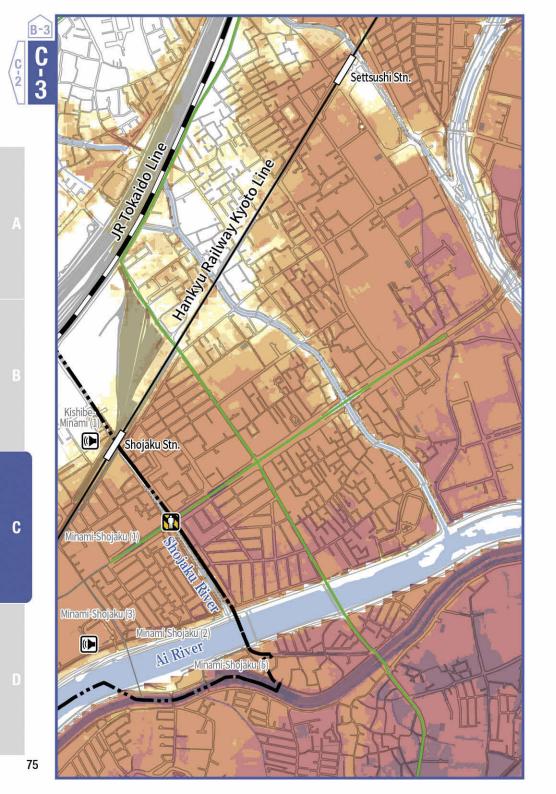




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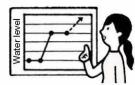


# PICK UP

## Prepare an evacuation plan.



Clearly specify who does what and when if a flood should occur.



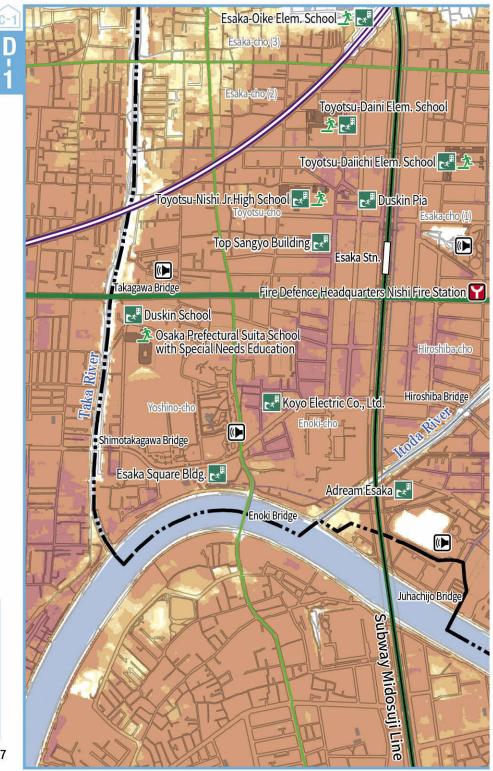
The plan is really just for reference purposes since the actual circumstances should dictate your actions.

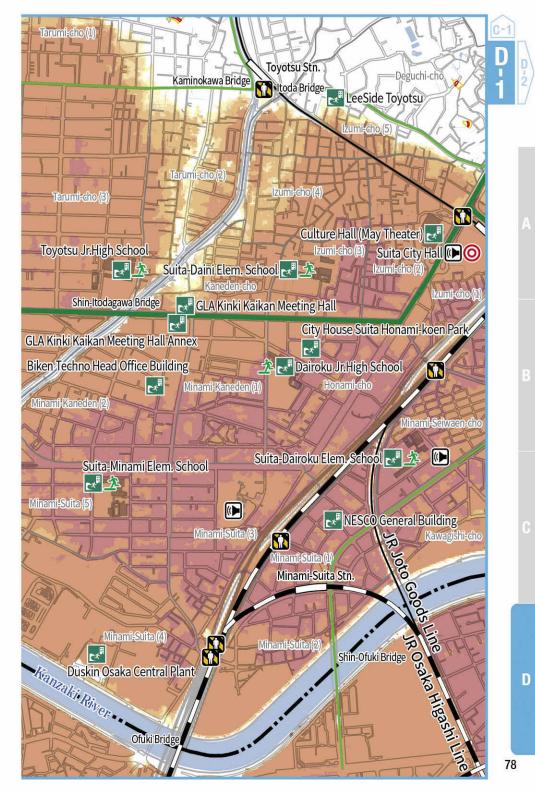


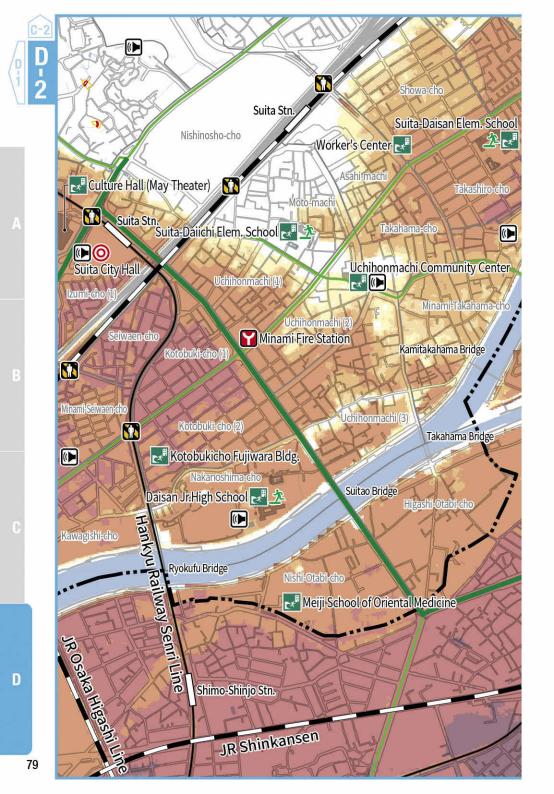
Synch with municipal and community plans if they exist.

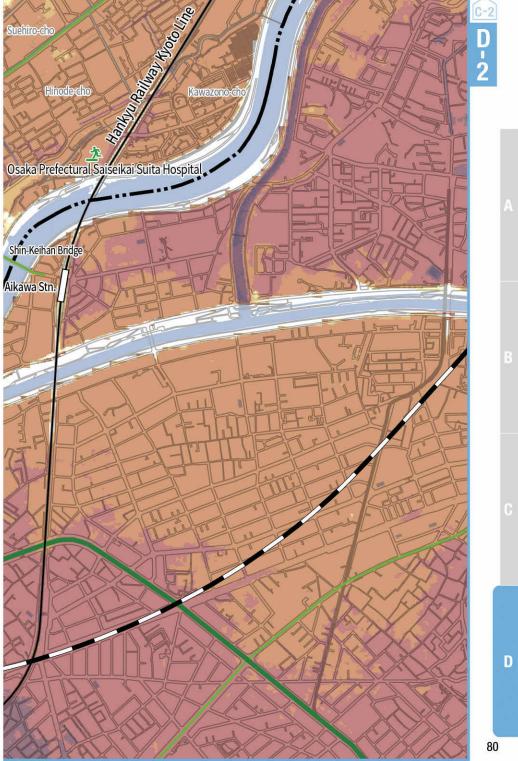
## Example of a family evacuation plan for an approaching typhoon

Days until landfall	Family action
3 days out	<ul> <li>All family members reconfirm where the evacuation shelter is.</li> <li>Monitor the typhoon's strength and track.</li> </ul>
2 days out	<ul> <li>Share typhoon information with neighbors.</li> <li>Check for hazards around the house, e.g., unsecured items on the balcony, etc.</li> <li>Check flooding risks on the hazard map.</li> <li>Check emergency supplies you keep at home and would take with you should you need to evacuate.</li> </ul>
1 day out	<ul> <li>Evacuate elderly persons.</li> <li>Monitor public emergency announcements.</li> </ul>
Few hours out	Evacuate the family to the shelter.
Imminent	Ride out the typhoon at the shelter.
Refuge OOElementary School	Tel XXXX-XXXX Address OO-cho O-chome O-ban O-g





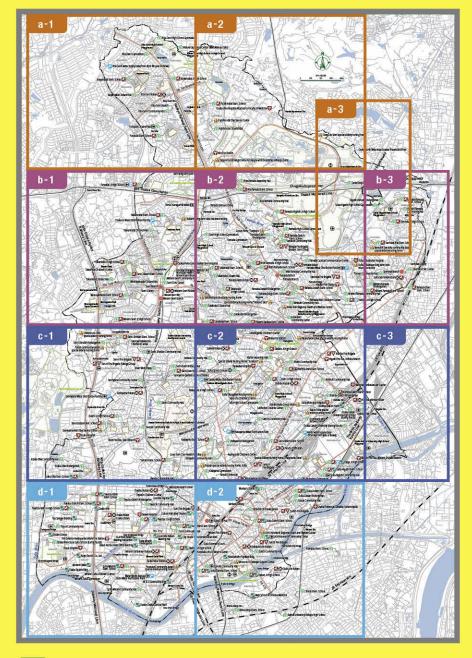




# **Disaster Prevention Map**



Legend of facilities etc.		
	Temporary evacuation site	
	Wide-area evacuation site	
庆	Evacution shelters	
C≭ <sup>∰</sup>	Buildings for evacuation in the event of tsunami & floods	
**	Welfare evacuation shelters	
<	Yards for stocking rescue equipment	
Y	Fire stations & outposts	
V	Fire brigades	
8	Police stations & police boxes	
0	City Hall and city government outposts	
٢	Heliports for use in times of disaster	
	Disaster-prevention administrative wireless system (loudspeakers)	
$\mathbf{H}$	Disaster medical institutions	
·	Water supply points for use in times of disaster	
	Medical aid stations	
	Railways & monorails	
•••••	<ul> <li>Evacuation routes (roads with a width of at least 10 m)</li> </ul>	

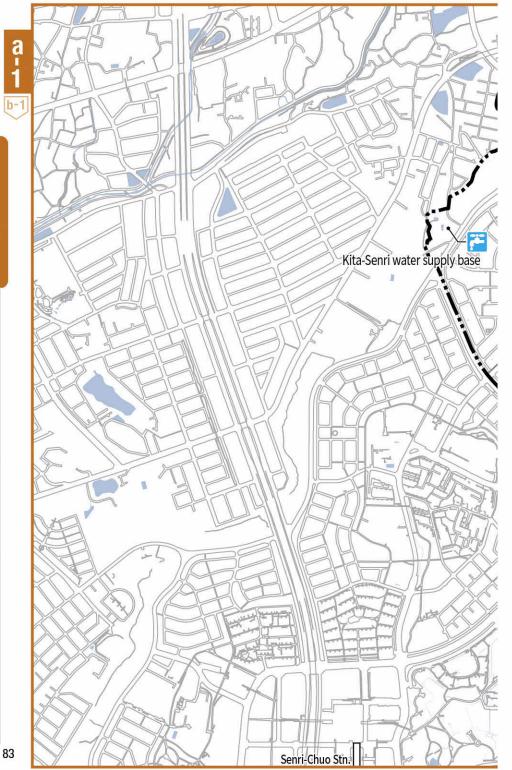


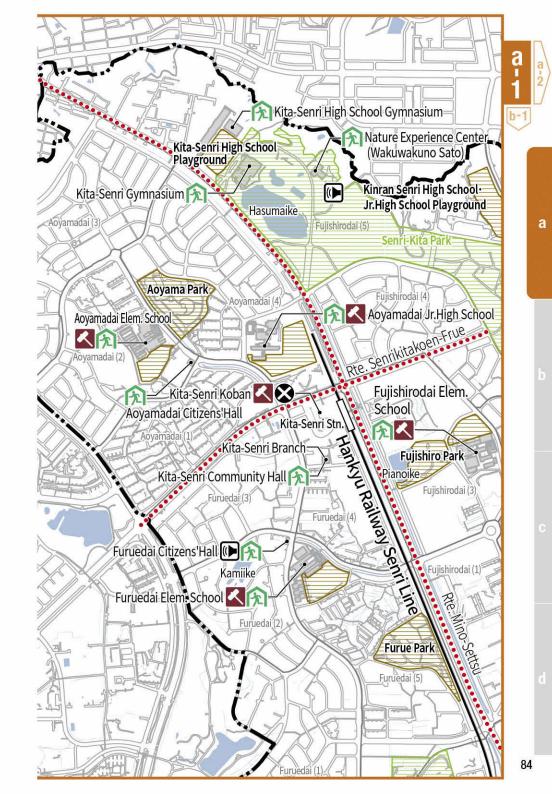
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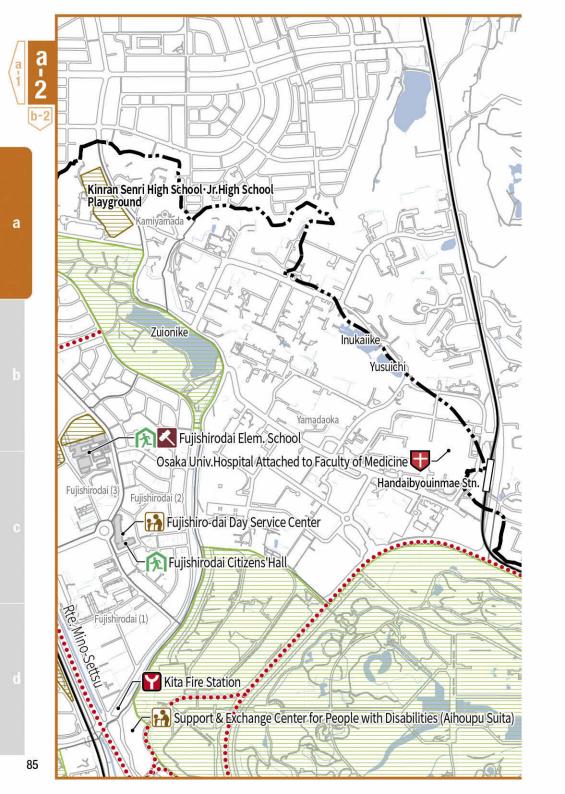
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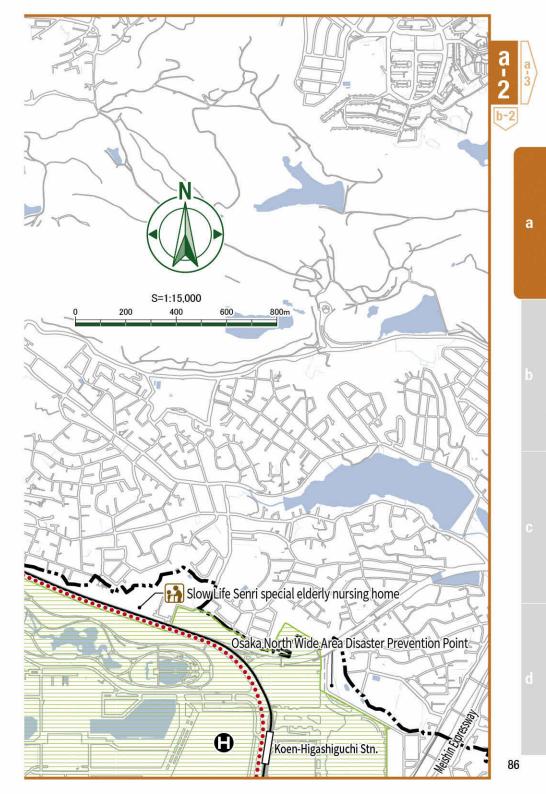
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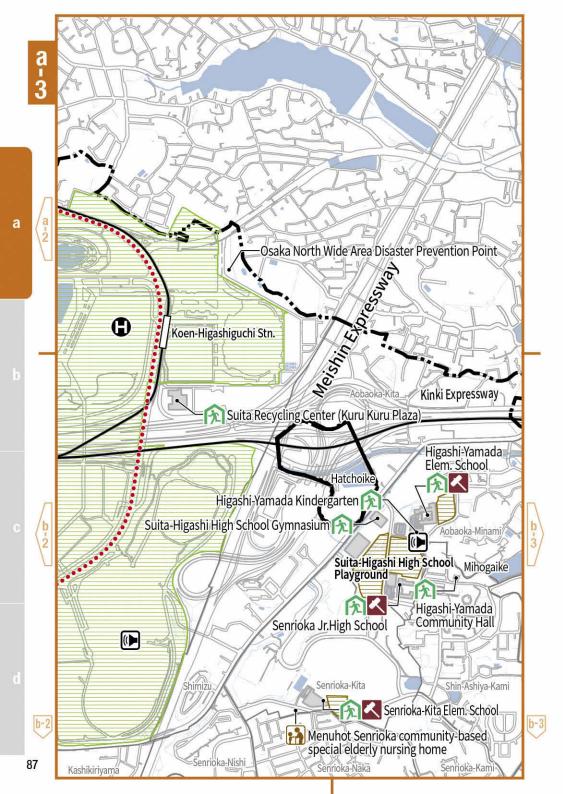


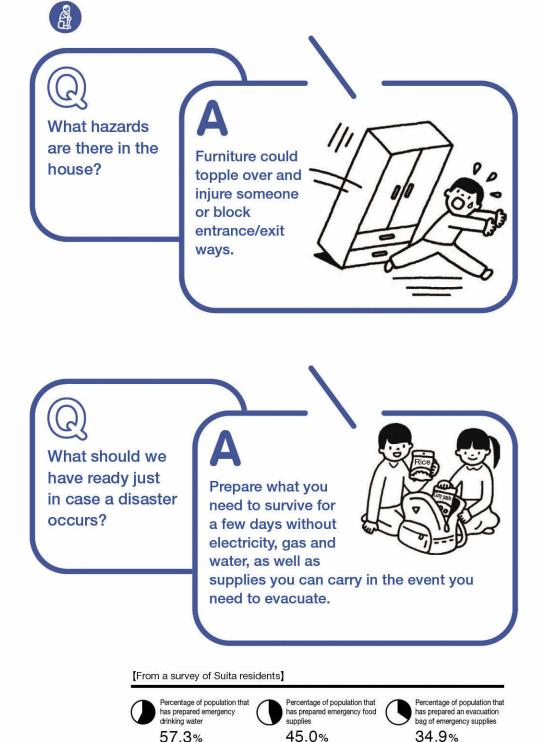


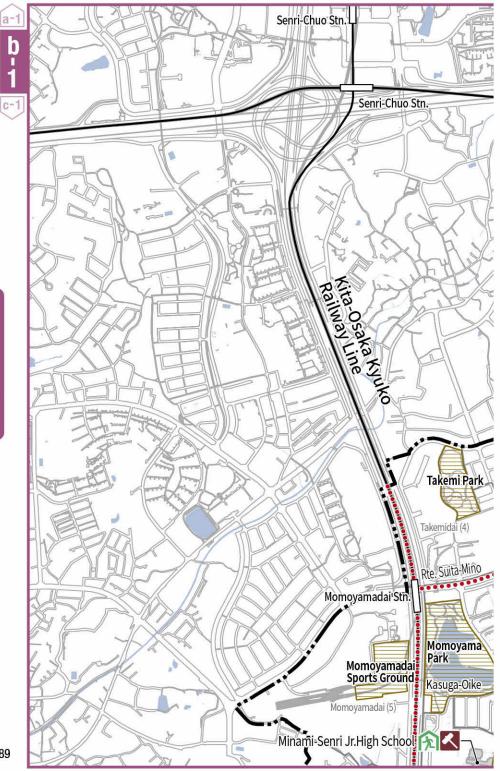
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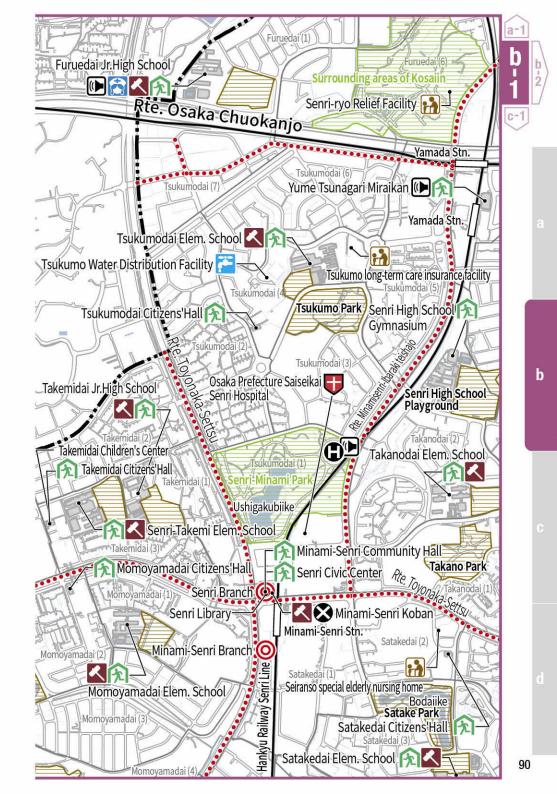




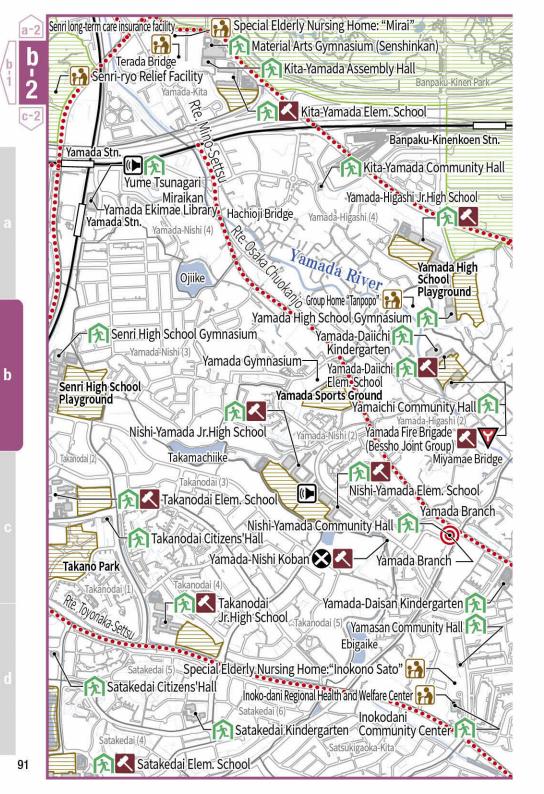


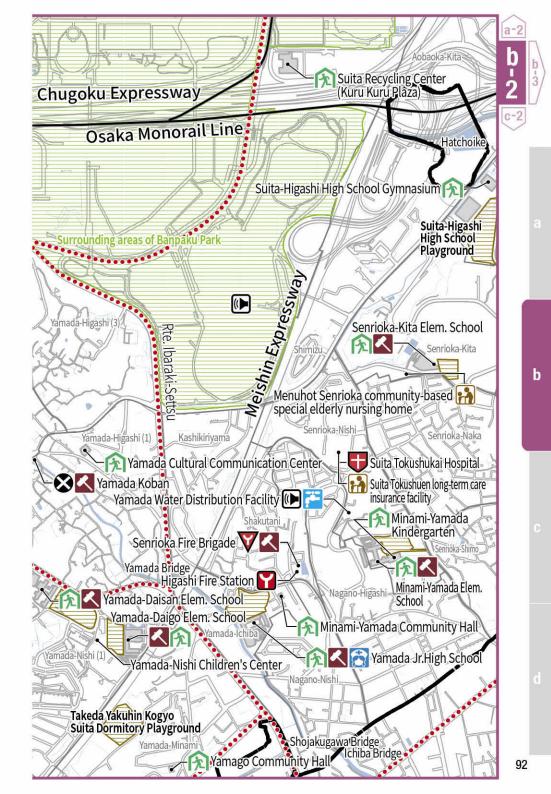


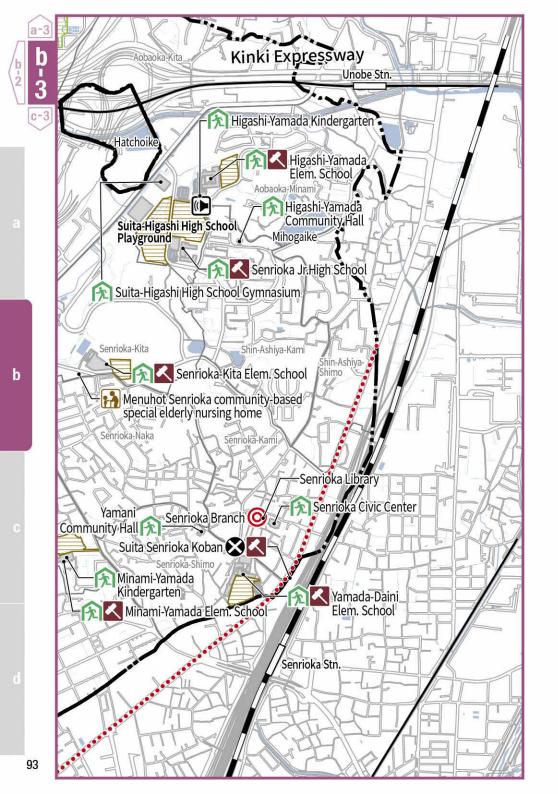


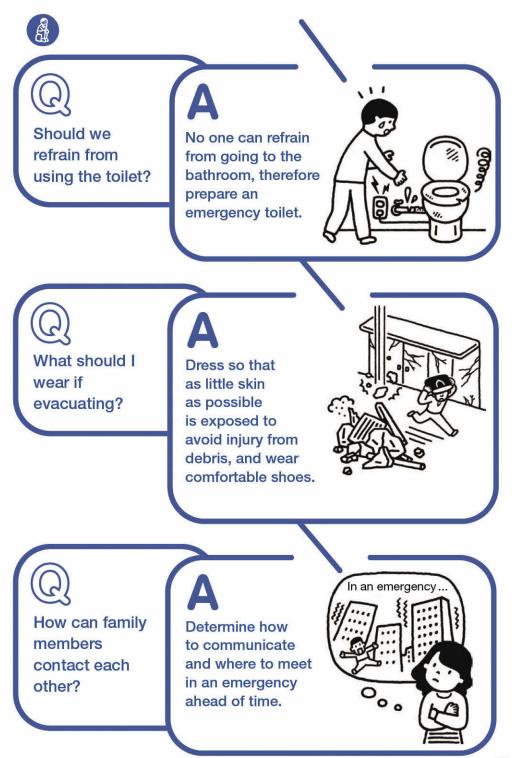


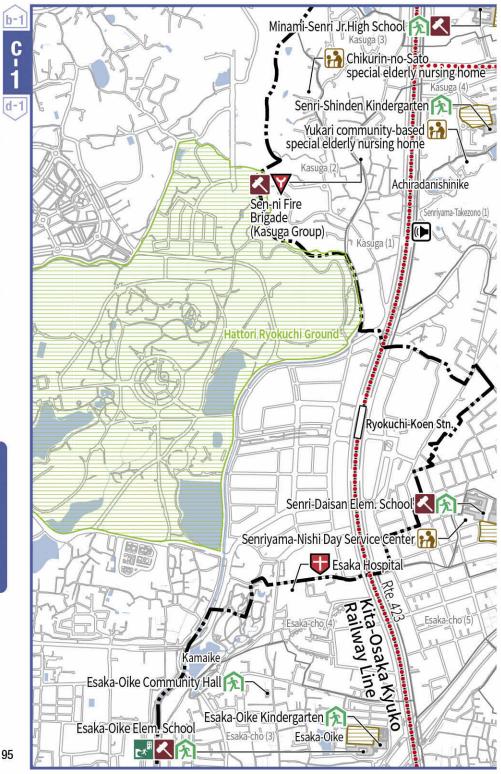
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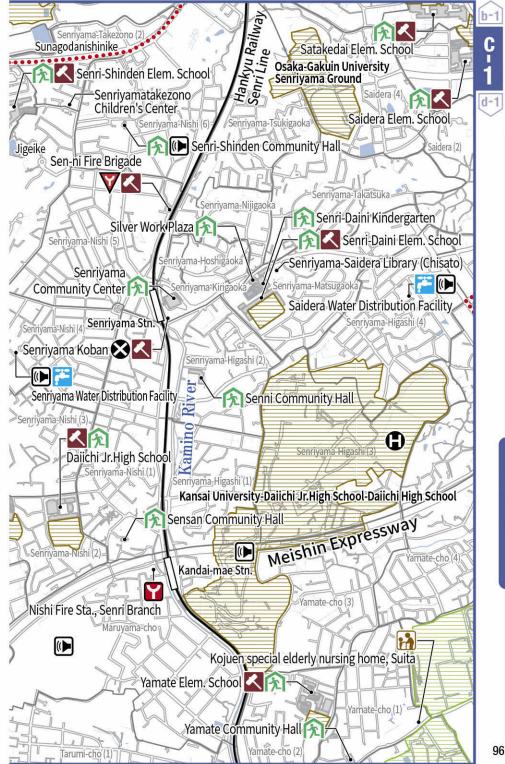




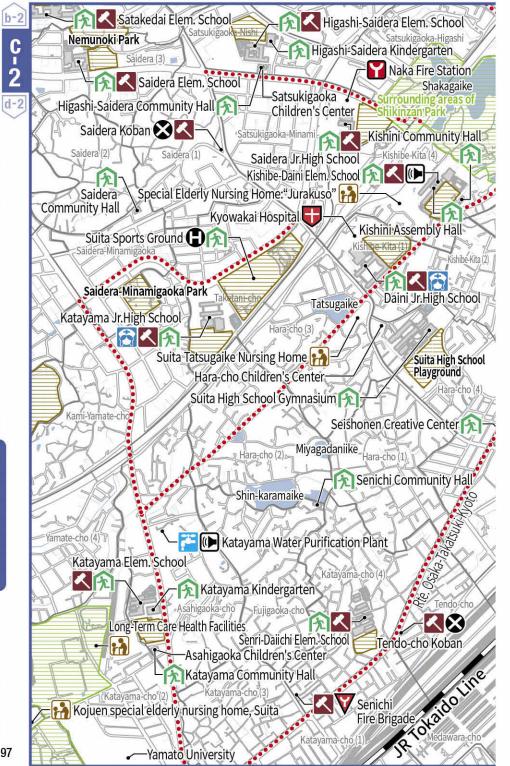


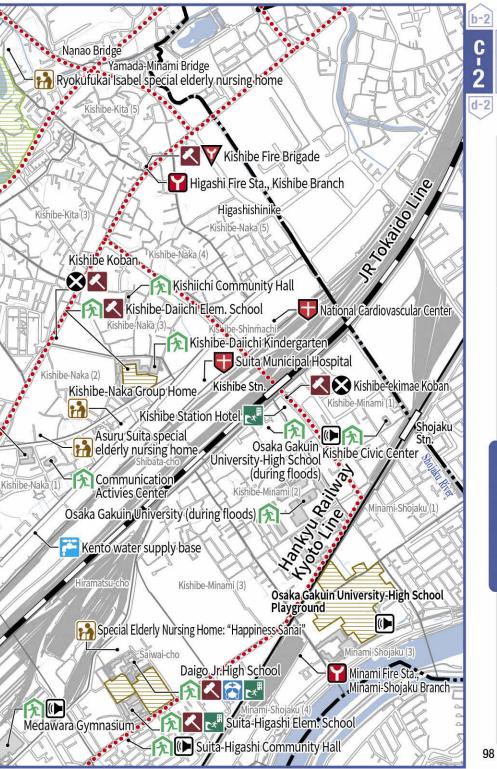


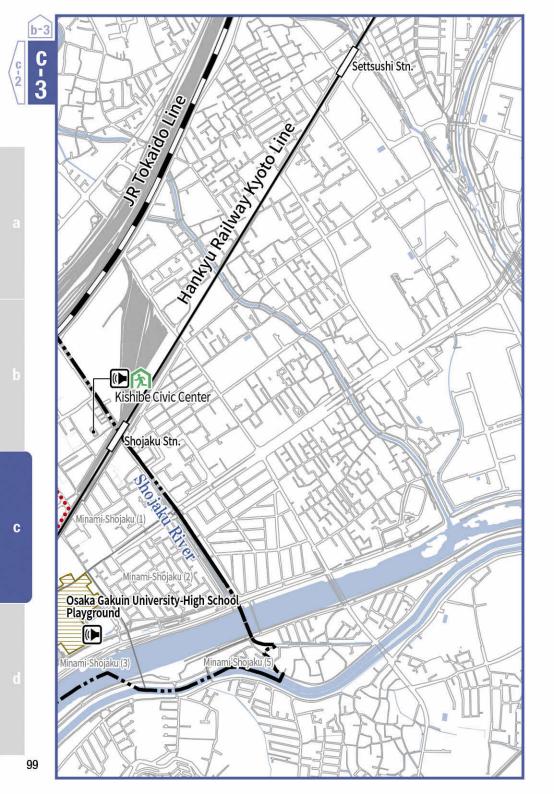




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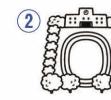






What should I do after the swaying stops if an earthquake hits while I'm at home?

- ① Relocate to a spacious parking lot nearby.
- Relocate to your designated temporary evacuation site.
- ③ Relocate to a refuge shelter for the time being.

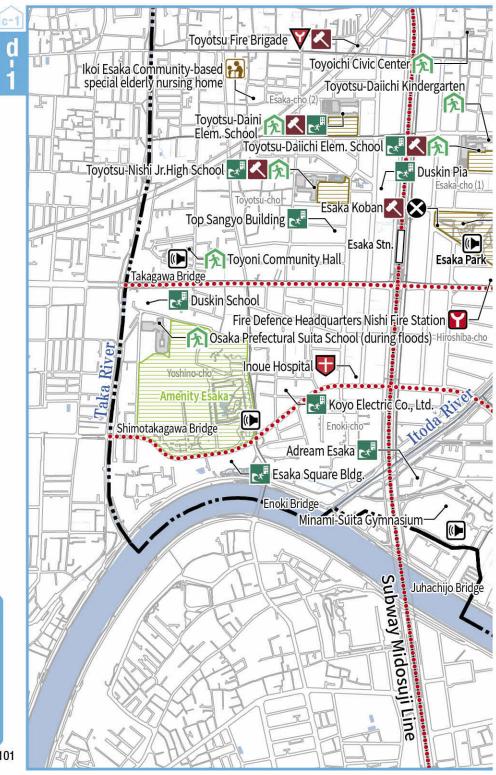


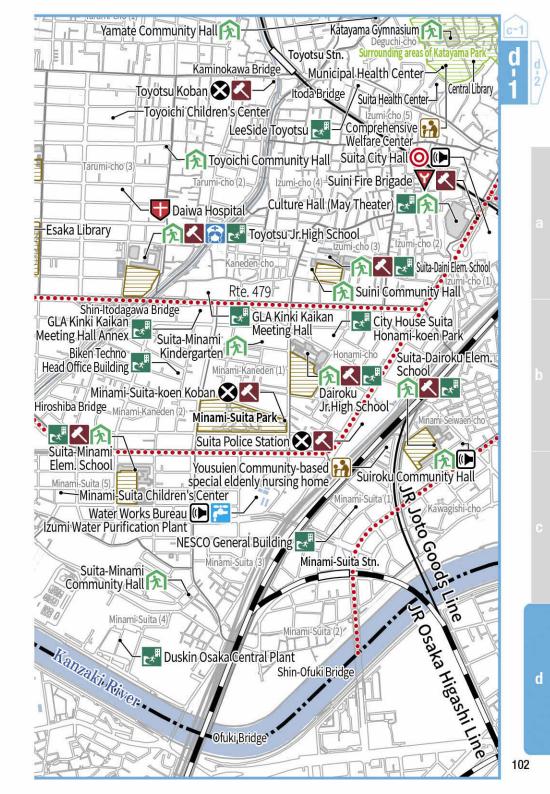
Relocate to your temporary evacuation site or an open area, all the while watching out for aftershocks.

> Refuge shelters are not opened right away. If you cannot live at home, go to the refuge shelter.

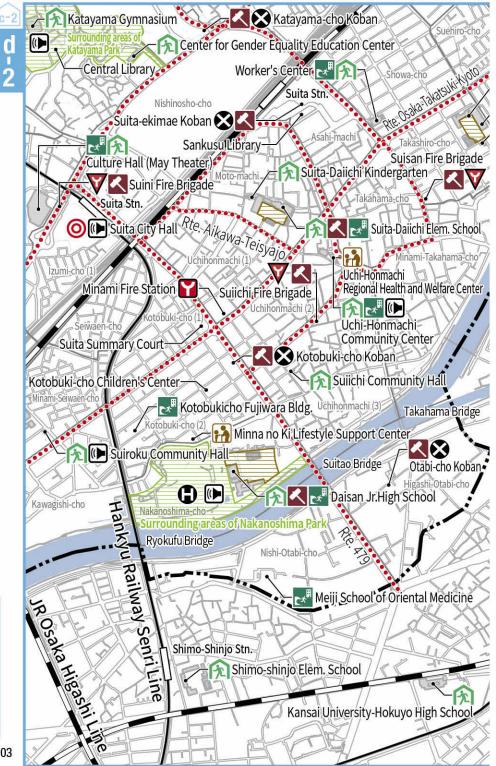


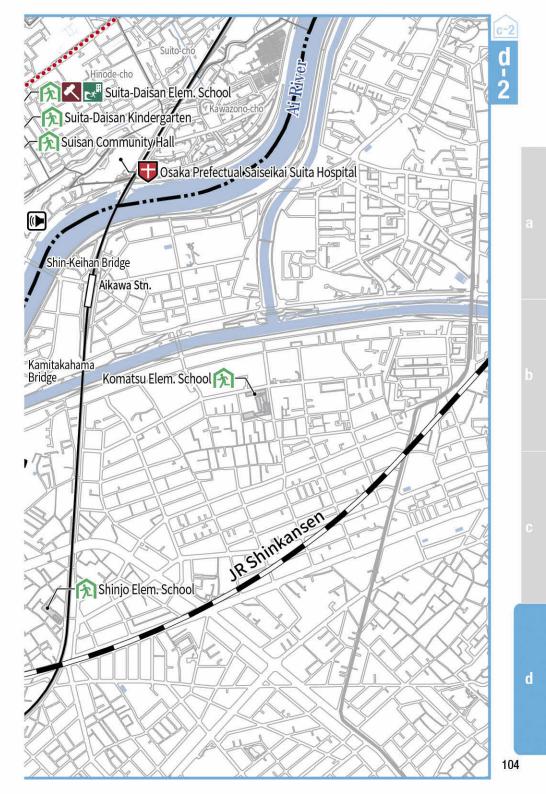
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# **Storm Surge Hazard Map**

#### [How to read the storm surge hazard map]

- •This storm surge hazard map is an area on the coast of Osaka Bay (Osaka Prefecture section) where inundation is expected when flooding due to the largest possible storm surge stipulated by the provisions of the Flood Control Law occurs from the coast or river (It shows disaster prevention facilities such as storm surge inundation area), expected inundation depth, and evacuation facilities.
- It is considered that some rivers will be flooded by a certain amount of rainfall at the same time as the expected maximum storm surge due to the typhoon. On the other hand, we do not consider that the earthquake will affect the embankments.
- •During actual storm surges, inundation may occur or the inundation depth may become deeper in places other than the estimated inundation area shown in this map.

Source: Storm surge inundation area map Explanatory material (Osaka Prefectural Government)

[Basic conditions that are the premise of calculation ]

#### Central pressure of typhoon 910hPa

•Muroto Typhoon (1945), which is the largest typhoon that has landed in Japan

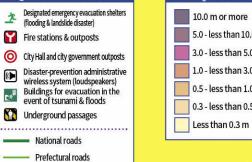
Typhoon movement speed 73km / hr (moves at a constant speed)
 Set based on the Isewan typhoon so that the tide level deviation becomes large

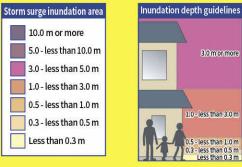
•The course of the typhoon is assumed from multiple routes so that the range and depth of inundation will be the maximum expected scale.

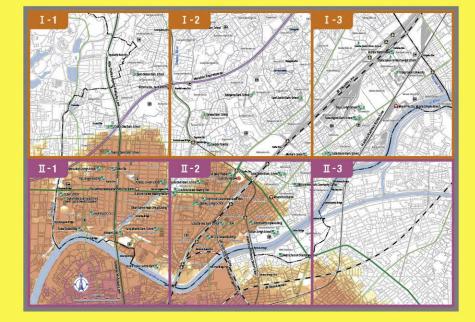
#### Legend of facilities etc.

Expresswavs

Railways & monorails

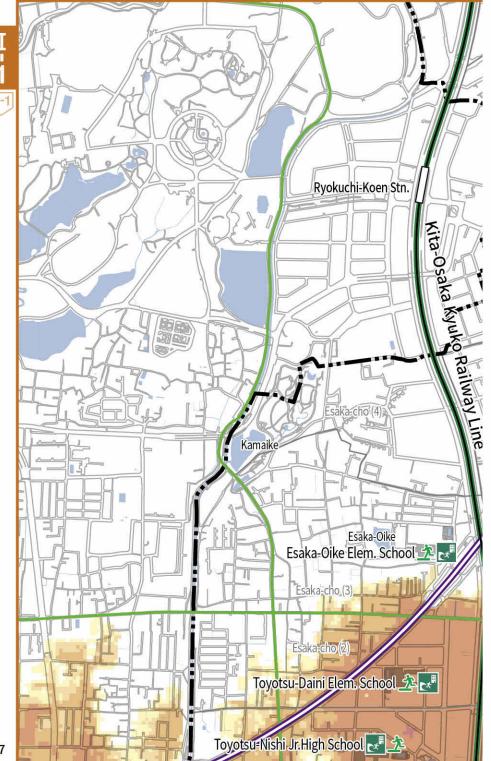


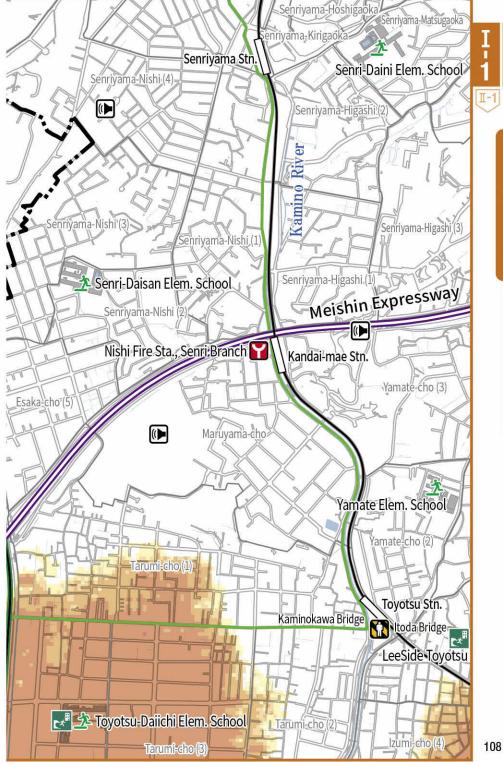


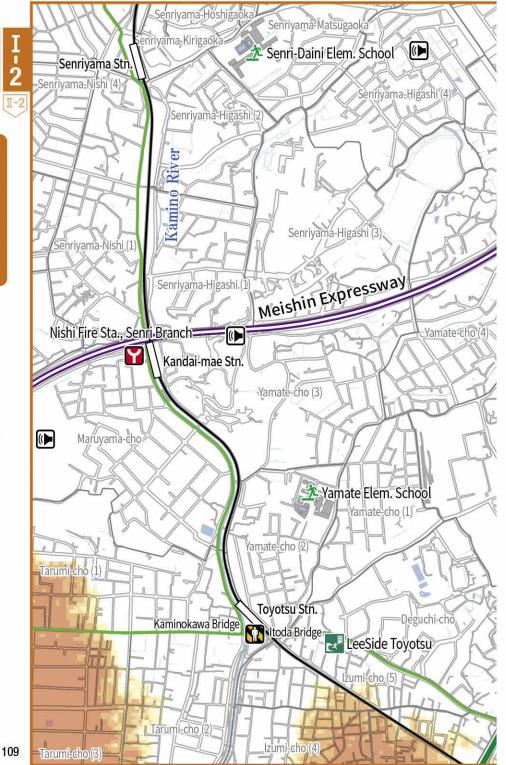


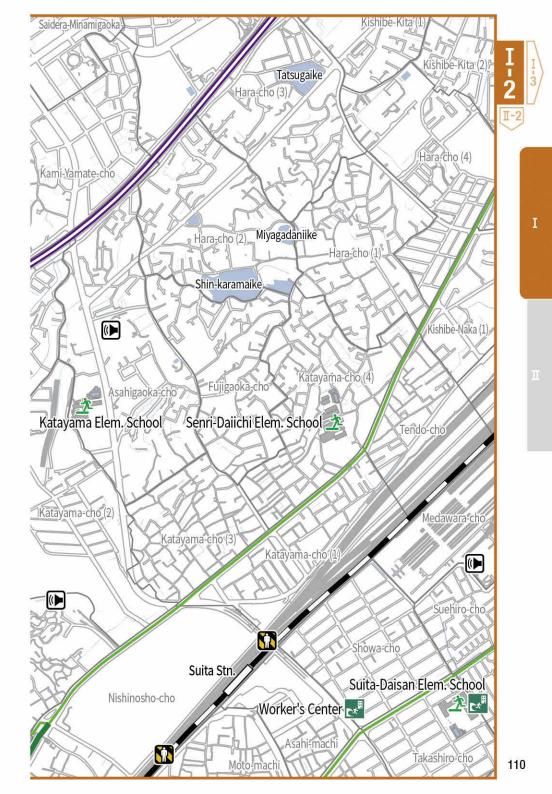
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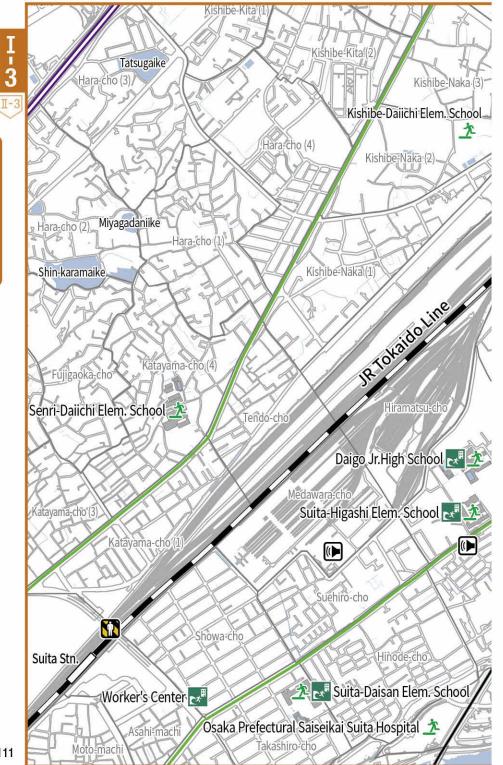


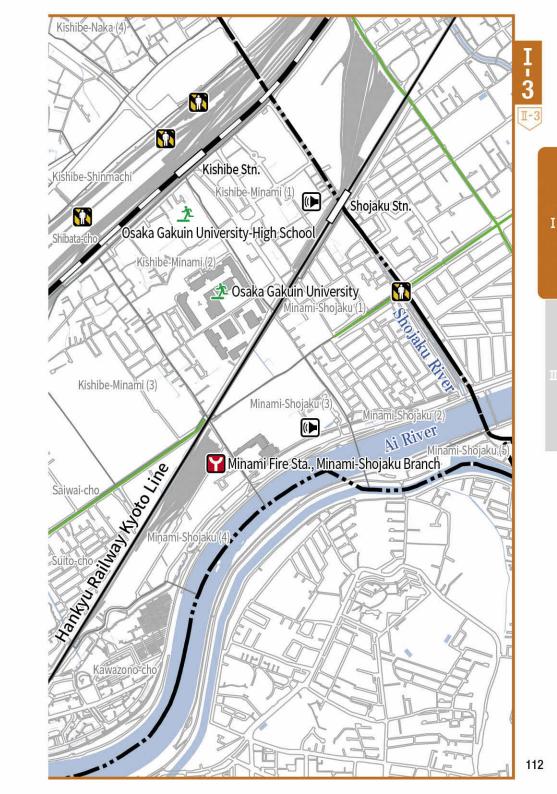




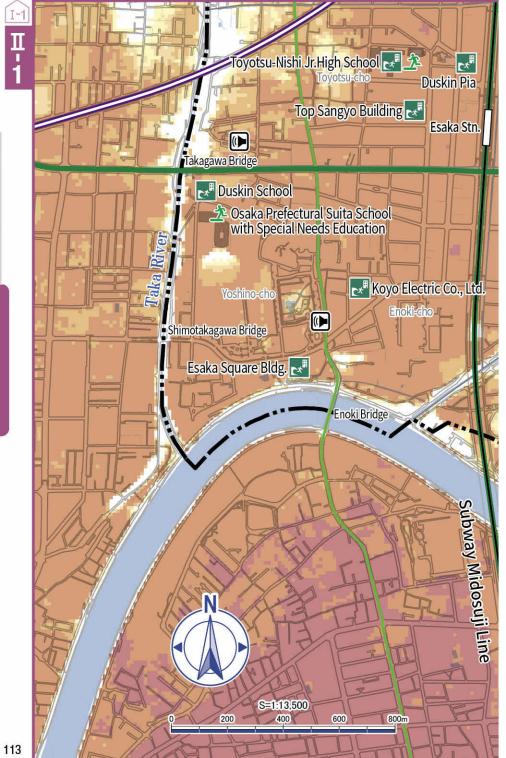


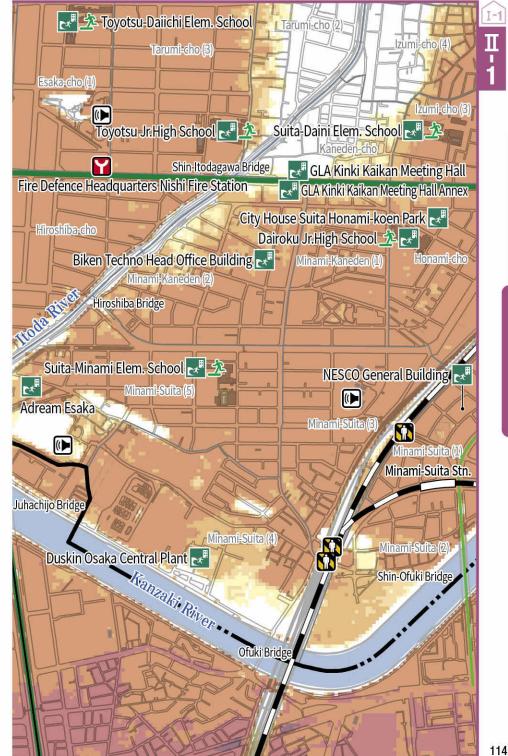
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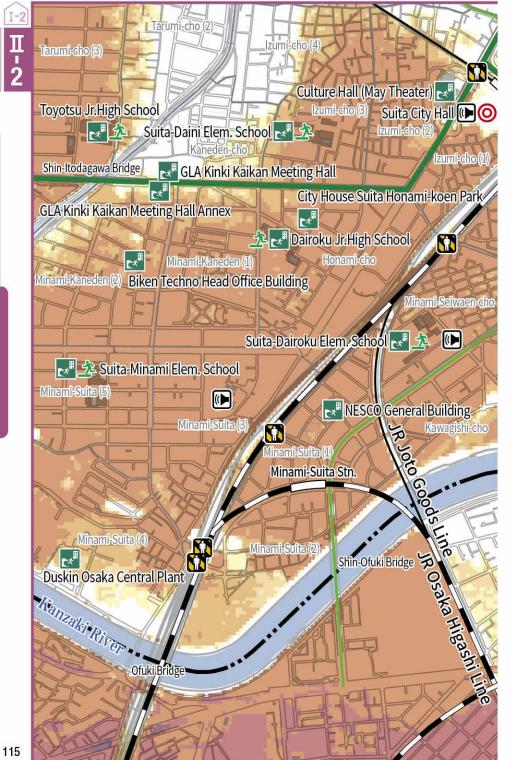


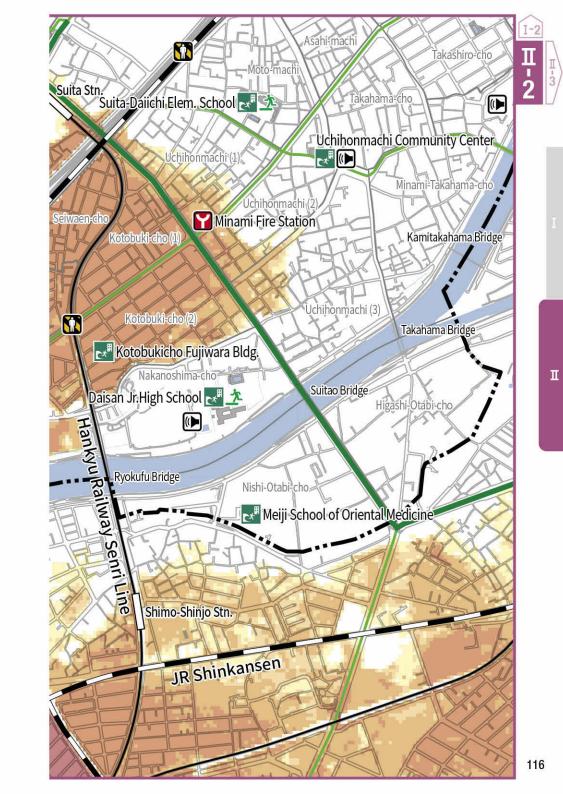
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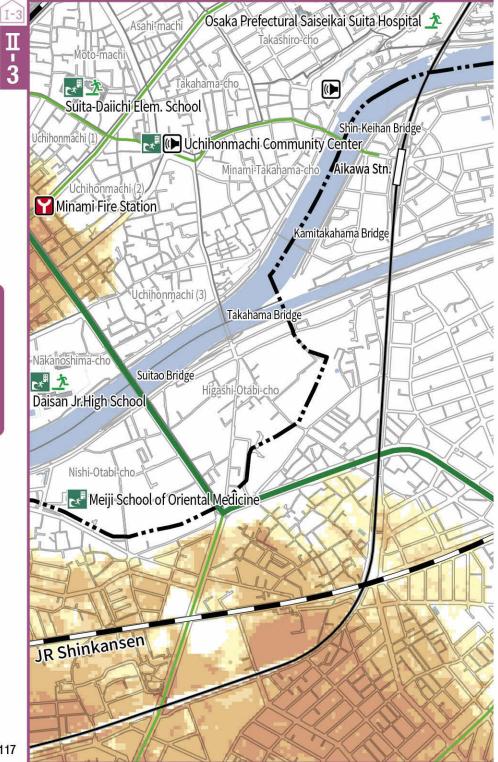


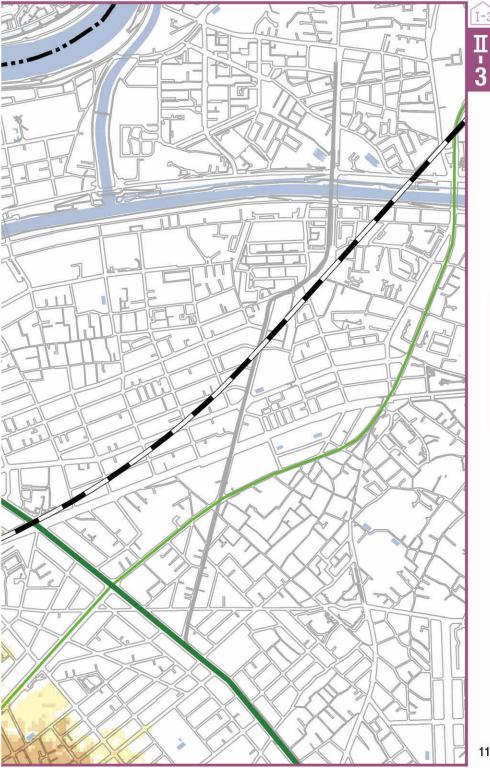
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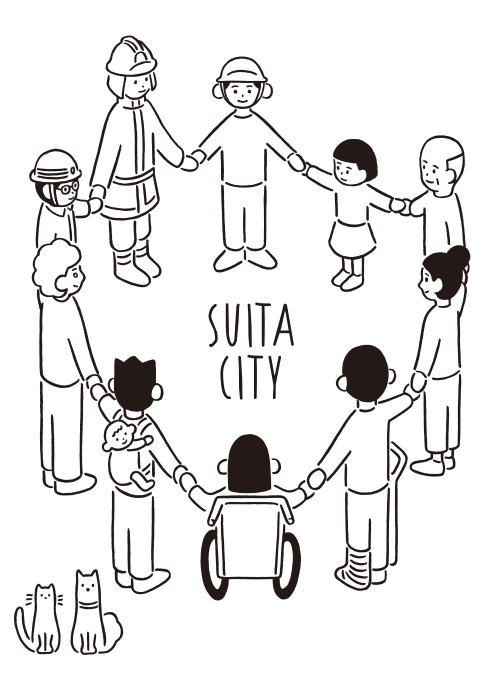
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If an earthquake struck right now ... If severe storms battered the city for hours on end ...

By "knowing what to do, thinking about the situation and taking action," you not only protect your life but can also protect loved ones and help friends and others around you. This is a very big first step toward making Suita a disaster-resilient city.

Right now is a good time to start preparing!

### Yoshiaki Kawata

Director & Specially Appointed Professor, Research Center for Societal Safety Sciences, Kansai University; Professor Emeritus, Kyoto University; (Concurrent) Executive Director, Disaster Reduction & Human Renovation Institution. Born in Osaka in 1946. After completing his doctorate at the Kyoto University Graduate School of Engineering, was a Guest Researcher at Washington University (USA), Fulbright Senior Researcher at Princeton University (USA), and Professor and Director at the Kyoto University Disaster Prevention Research Institute. Has served as Chairman of the Japan Society for Disaster Information Studies and Chairman of the Japan Society for Natural Disaster Science. Expert on large-scale disasters, urban disasters, risk management and disaster information.

### Survey of Suita residents

- Method: Online survey
- Target: Men and women age 20 69 living in Suita City, Osaka Prefecture
- Samples: N = 1,030
- Dates conducted: 07/25 (Wed) 27 (Fri), 2018
- Subject: Suita City, Osaka Prefecture

Crisis Management Office, General Affairs Dep., Suita City City website: https://www.city.suita.osaka.jp Published 10/2019 Revised 03/2023 Scan the QR code for more detailed information.

