

10	11	12L
13	14	12R
15		

**Legend**

- Designated Evacuation Shelter
- Welfare Evacuation Shelter
- Arranged Evacuation Shelter
- Tsunami Evacuation Bldg (Emergency Evacuation Shelter)
- Temporary Evacuation Area
- Temporary Evacuation Area (Park)
- Precipitation observation facility
- Water level observation facility
- Police Station
- City Hall
- Fire Station
- Park
- Landslide - Flood-prone Region Welfare Center
- Underpass (be careful of inundation)

**Flood prone**

under 0.5m	0.5~ under 3.0m	3.0~ under 5.0m	5.0~ under 10m
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**Sediment Disaster**

**Avalanche**

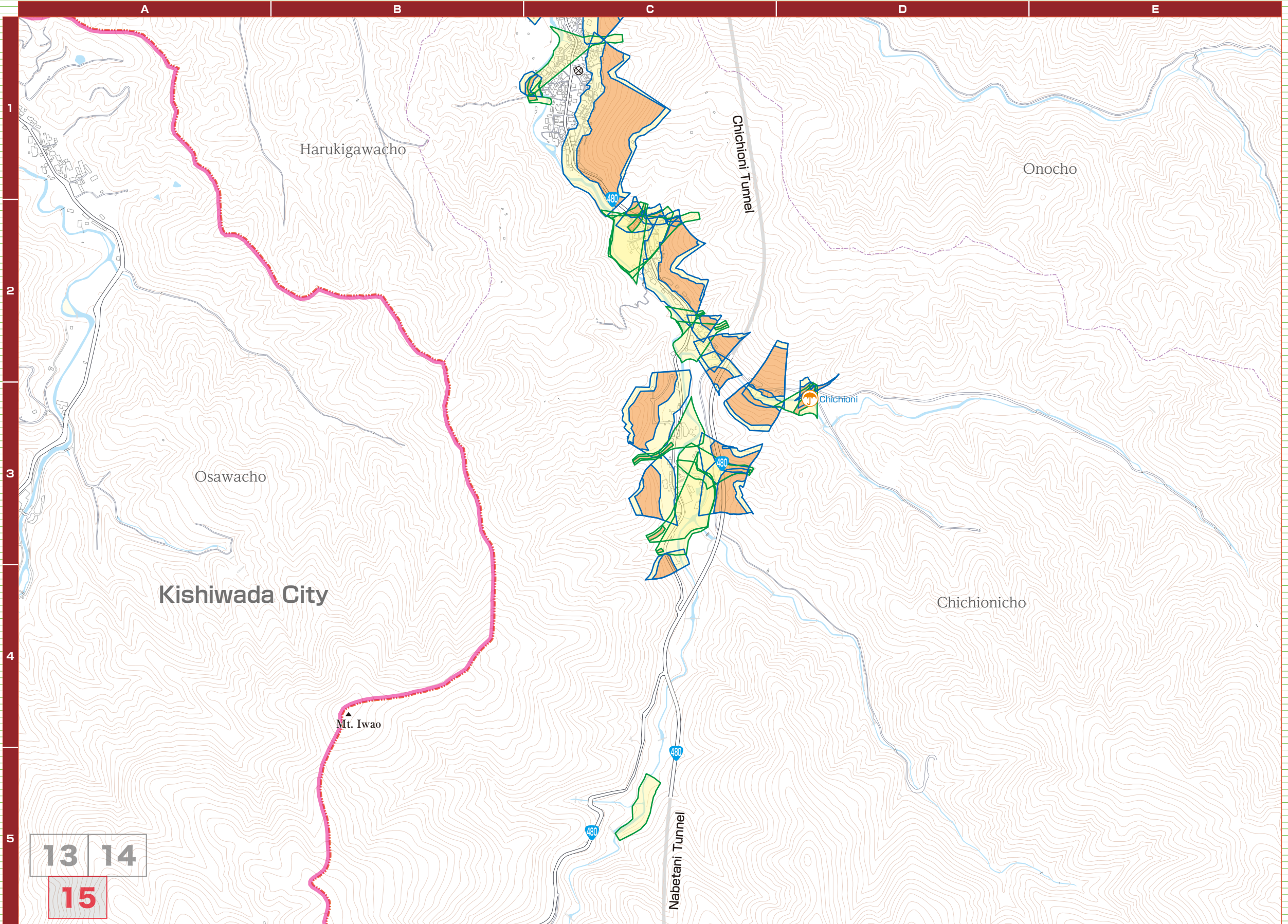
- Sediment Disaster Prone Areas
- Special Sediment Disaster Prone Areas

**Slopes**

**Sediment Disaster Prone Areas**

- Sediment Disaster Prone Areas
- Special Sediment Disaster Prone Areas

**Landslide**



13 14  
15

**Legend**

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**Sediment Disaster**

- Sediment Disaster Prone Areas
- Special Sediment Disaster Prone Areas
- Slopes**
- Sediment Disaster Prone Areas
- Special Sediment Disaster Prone Areas
- Landslide**

## Danger Control Checklist

You never know when a disaster is going to happen. In order to protect yourself and your family, be mindful of where you put your furniture and take pre-emptive measures to prevent household items from falling over.

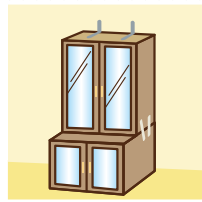
### Make the inside of your house safe

Take measures to make sure your furniture doesn't fall over.

- Place your television in a low area
- Do not put heavy items on top of dressers or drawers.
- Place furniture flush against a wall or pillar and secure it with an L-shaped bracket to prevent it from falling over.

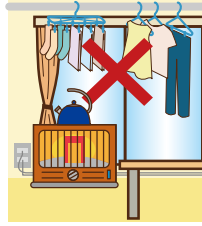
### Prevent fires from happening

- Keep the area around your gas line and stove clean and use fireproof curtains if possible.



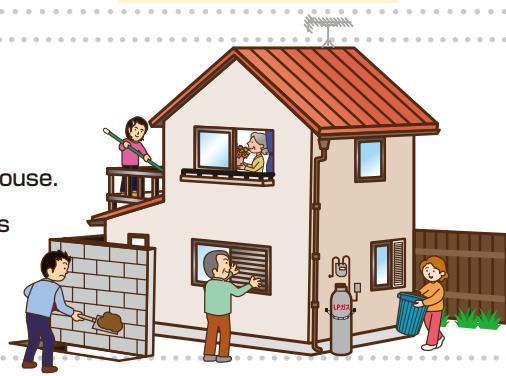
### Keep yourself and your family safe

- Do not put heavy or large furniture in your bedroom, child's room, or an elderly person's room.
- Outfit your windows, cupboards, and other glass fixtures with shatter proof film.



### Keep the outside of your house safe

- Secure your propane gas tanks with chains.
- Reinforce concrete or stone walls around your house.
- Ask yourself how earthquake-proof your house is and improve or fix areas you think are lacking proper protection.



## "Rolling stock" Disaster Provisions

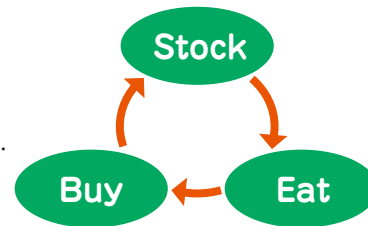
Prepare a "rolling stock" of edible goods to ensure you have enough food in the aftermath of a disaster.

### ◆How to keep a rolling stock in your home

Think of preserved, packaged or canned foods you eat regularly, such as tuna or curry, and buy two times the amount you normally do. Eat the half with an earlier expiry date, replenish the amount you eat soon afterward with new stock, and repeat the process as necessary. By doing this you create a rolling stock of unexpired, preserved goods that are ready to be consumed in a disaster.

### ◆Advantages

- You won't have to throw away expired food as often and managing your pantry becomes easier.
- There is a wide array of preserved and emergency foods to choose from at the supermarket.
- By consuming these goods normally, you become used to eating "emergency" foods.
- As some preserved foods contain less allergens, households with children or people with allergies can consume them as well.
- The "rolling stock" method can be applied to other everyday items such as toilet paper, gas canisters, and batteries.



## Having a meeting with your family.

Does your family have a thorough disaster plan? Imagine being part of an earthquake and discuss what you should do, how to evacuate, how to contact each other, and other important details with your family.

### Confirm contact methods and evacuation areas with your family

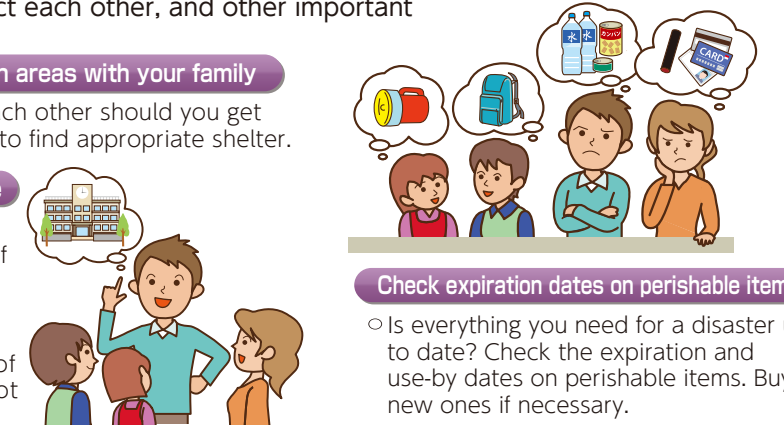
- Make sure to discuss how to contact each other should you get separated during a disaster, and where to find appropriate shelter.

### Decide on a designated meeting place

- Choose a place that is known and easily understood by all members of your family.

### Stop fires before they start

- Designate someone to be in charge of turning off the gas lines so fires do not occur.



### Check expiration dates on perishable items

- Is everything you need for a disaster up to date? Check the expiration and use-by dates on perishable items. Buy new ones if necessary.

## Create an Emergency Item Checklist

Be sure to put all emergency items in a backpack or together in an easily accessible area. Once you have the items together, use the checklist below to take stock. When evacuating please bring emergency food, potable water, and other important items you may need.

### Primary Emergency Items

The following is a checklist of items to bring in an evacuation. (Carry weight for men: 15kg, for women: 10kg)

<input type="checkbox"/> emergency item bag	<input type="checkbox"/> emergency foods	<input type="checkbox"/> drinkable water
<input type="checkbox"/> flashlight, candles	<input type="checkbox"/> lighter, matches	<input type="checkbox"/> portable radio
<input type="checkbox"/> spare batteries, electric charger	<input type="checkbox"/> gloves	<input type="checkbox"/> outdoor items
<input type="checkbox"/> medication (over-the-counter, prescription)	<input type="checkbox"/> portable toilet	<input type="checkbox"/> towel, handkerchief
<input type="checkbox"/> first aid kit	<input type="checkbox"/> undergarments	<input type="checkbox"/> tissues, wet tissues
<input type="checkbox"/> feminine hygiene products	<input type="checkbox"/> baby items	<input type="checkbox"/> cash (bills and coins)
<input type="checkbox"/> bank passbook	<input type="checkbox"/> title deed (for house)	<input type="checkbox"/> extra glasses, contacts
<input type="checkbox"/> personal seal (if you have one)	<input type="checkbox"/> Health Insurance Card	<input type="checkbox"/> Driver's license or personal ID
<input type="checkbox"/> Passport - Residence Card	<input type="checkbox"/>	<input type="checkbox"/>

### Secondary Emergency Items

Prepare these items to keep you and your family fed and occupied until relief supplies arrive. (Approx. 3 days)

food	drinkable water	crackers, biscuits	canned goods	ready to eat foods
<input type="checkbox"/> plastic wrap (to cover dishes)	<input type="checkbox"/> newspaper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> extra clothing
<input type="checkbox"/> blankets	<input type="checkbox"/> dry shampoo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

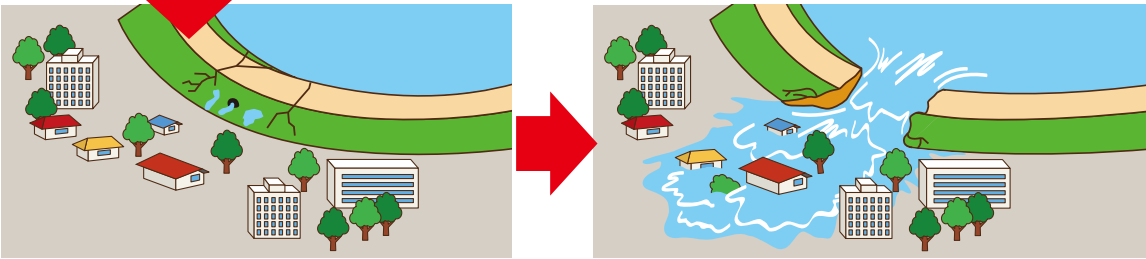
## What is a Reservoir?

A reservoir is a man-made body of water constructed to store water for various purposes such as agriculture. Water collected in reservoirs plays an important role in irrigation and is the lifeblood of local flora and fauna. However, in the event of a natural disaster such as torrential rain or a large, destructive earthquake, a reservoir's structural integrity can be compromised and cause another catastrophe.

## Main Causes of Reservoir Embankment Failure (Be alert during heavy rainfall and following an earthquake)



The embankment of a reservoir is managed safely on a daily basis, but it is susceptible to damage in the event of heavy rainfall or an earthquake. Be alert to potential embankment failure during heavy rainfall or after earthquakes.



Embankment sinking, landslides, and Embankment breaks may also occur.

## Reservoir Hazard Map

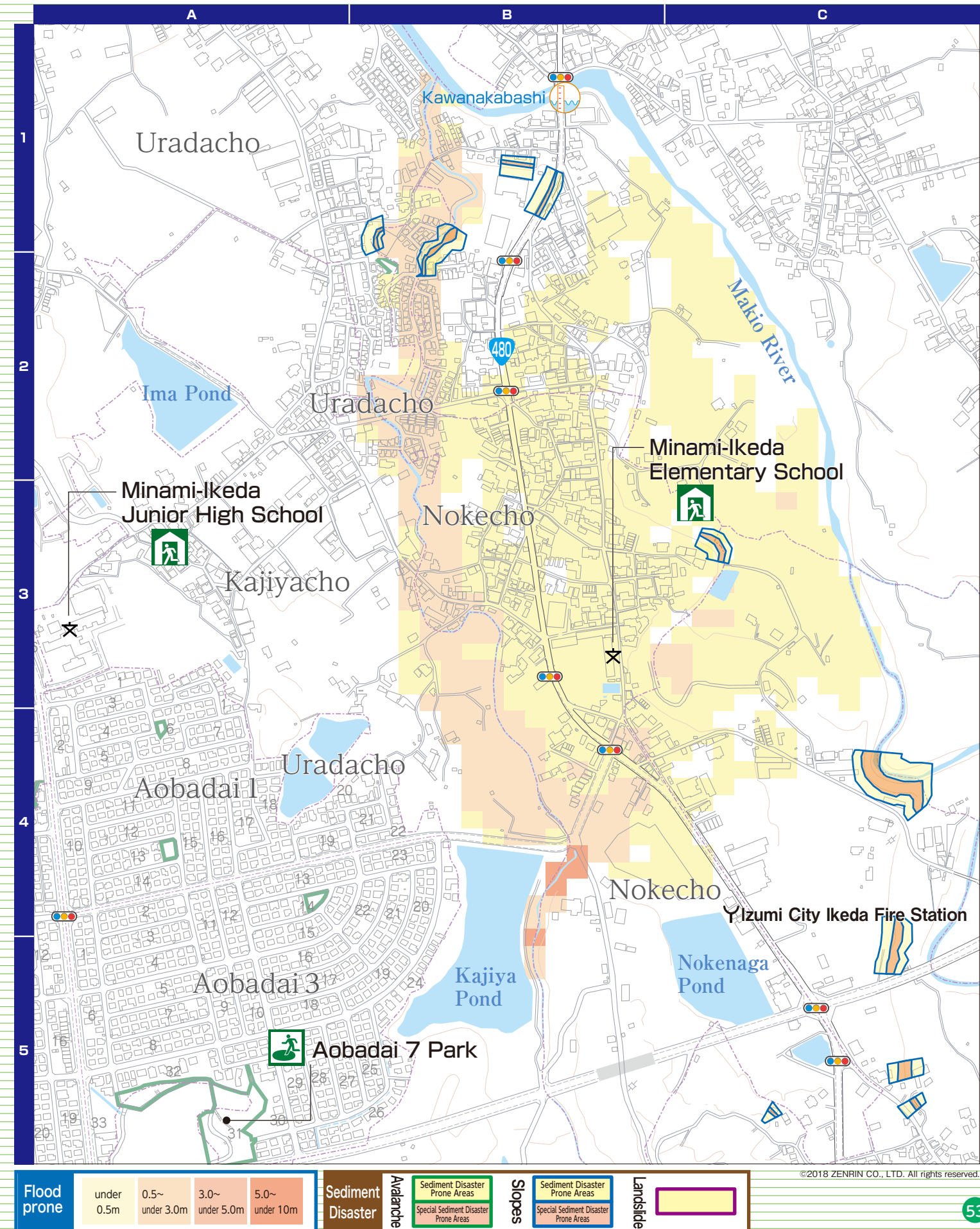
The Reservoir Hazard Map highlights predicted flood zones and water depth in the event of a levee failure. Please use this map to assist you in making a swift and safe evacuation.

Based on data from a survey conducted by Osaka Prefecture the Kajiya, Nashimoto, Kuroishi and Taniyama Ponds are resistant to level 2 earthquakes. However, it is important to make proper preparations in the event a stronger earthquake hits and causes a breach, flooding, or other hazards.

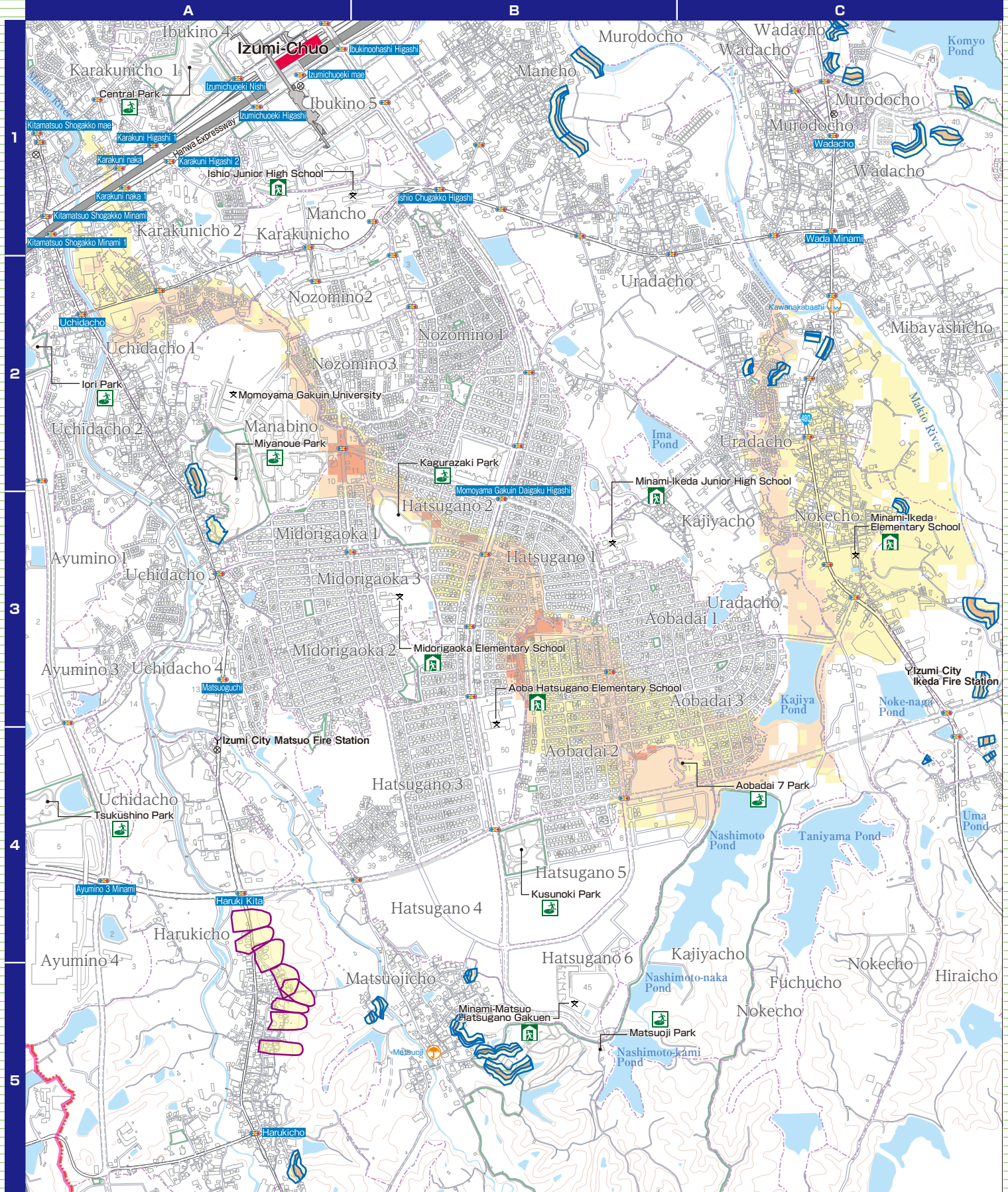
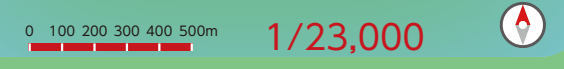
## Flood Simulation

To prepare for flood disasters, we conducted a flood simulation assuming the following circumstances:

- ① The largest predicted flood model.
- ② At the time of the break, the reservoir is at full capacity, is damaged by heavy rainfall or an earthquake, and all collected water flushes out.
- ③ The reservoir embankment suffers a complete break and the water flushes out with great force.
- ④ The numerical simulation calculates the flow of the flood using a 25m mesh topographical model.



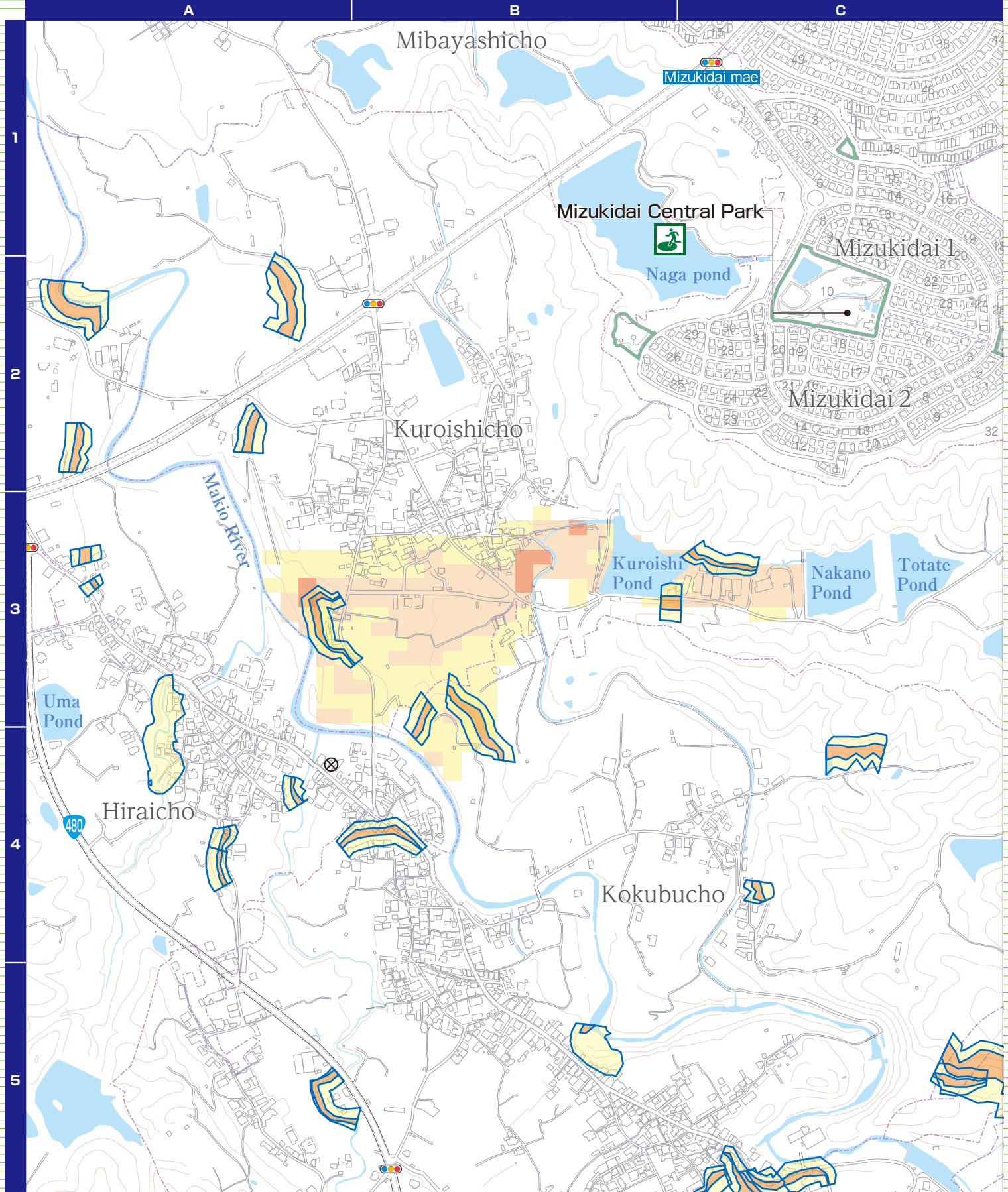
# Reservoir Hazard Map② Nashimoto Pond



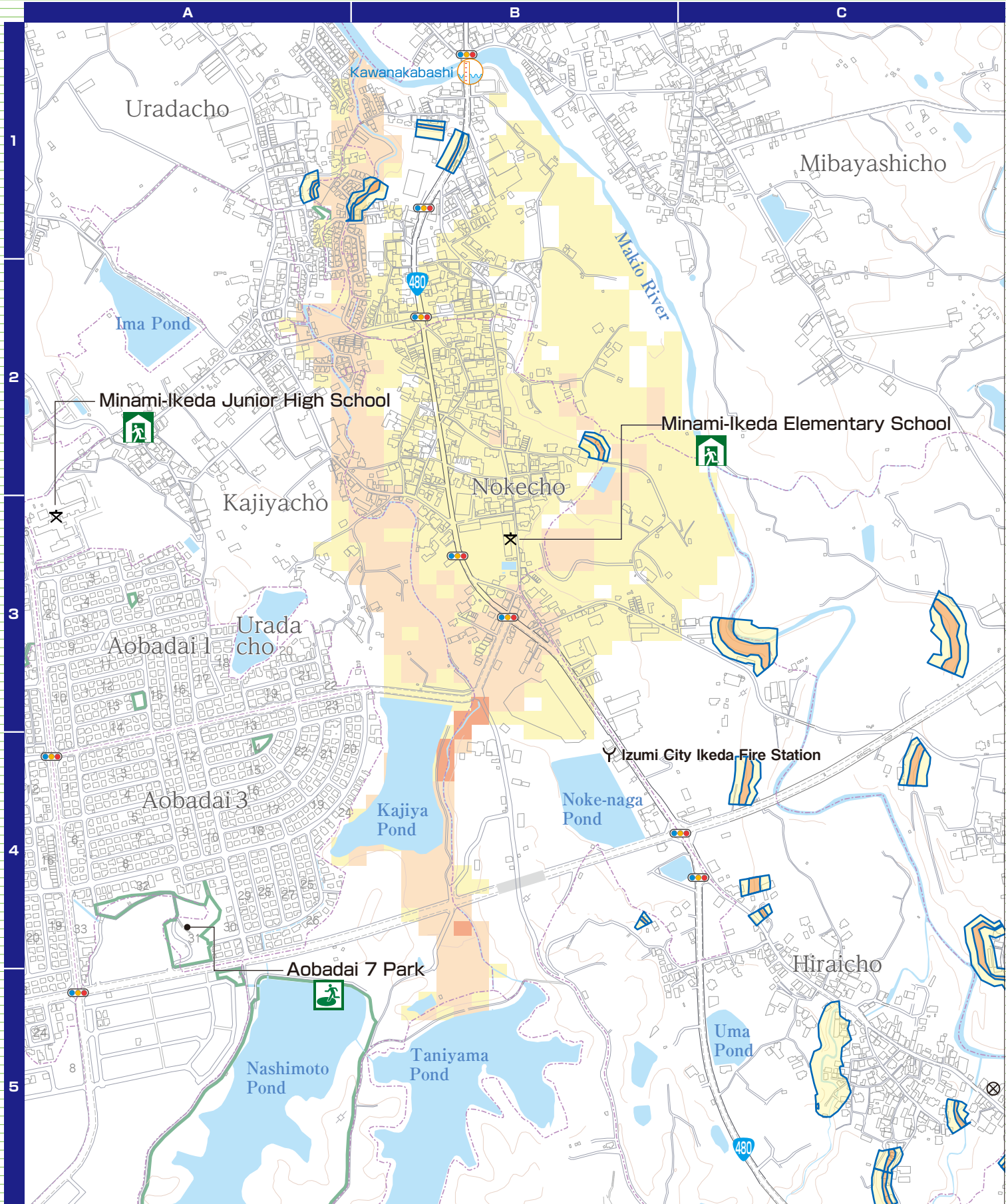
**Legend**

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# Reservoir Hazard Map③ Kuroishi Pond



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<b>Sediment Disaster</b>	Sediment Disaster Prone Areas	Special Sediment Disaster Prone Areas	Sediment Disaster Prone Areas	Special Sediment Disaster Prone Areas
	<b>Avalanche</b>			
<b>Slopes</b>				
<b>Landslide</b>				



Flood prone	under 0.5m	0.5~ under 3.0m	3.0~ under 5.0m	5.0~ under 10m
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Sediment Disaster	Sediment Disaster Prone Areas	Special Sediment Disaster Prone Areas
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Slopes	Sediment Disaster Prone Areas	Special Sediment Disaster Prone Areas
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Landslide	
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