

● To Our Foreign Residents:

This is a booklet based on the 2022 Joyo City Disaster Preparedness Book. It is a multilingual version written in English, Chinese, Vietnamese, and Easy Japanese, for use by foreign residents.

A disaster can occur anywhere, at home or at the workplace. Always be prepared for a disaster so that you can act quickly when one does occur. Japan has many natural disasters, and even here in Joyo City, there is the possibility of earthquakes and floods. There is detailed information about these disasters included in this booklet, as well as hazard maps. In order to be prepared and stay safe in the event of a natural disaster, carefully read and understand this booklet. For basic information about natural disaster, please refer to the Kyoto Prefecture International Center's "Disaster Guidebook".

Joyo City holds disaster training for all regions once per year. Please participate in order to experience what it is like to be caught in a natural disaster, and how to deal with the situation. You can also connect with your community through this training.

The Joyo City International Exchange Association is working on establishing a multilingual disaster preparedness support center in order to support foreign residents of Joyo when a disaster occurs. This multilingual disaster preparedness support center may need your help. Please cooperate at that time.



● Evacuation Information • Course of Action

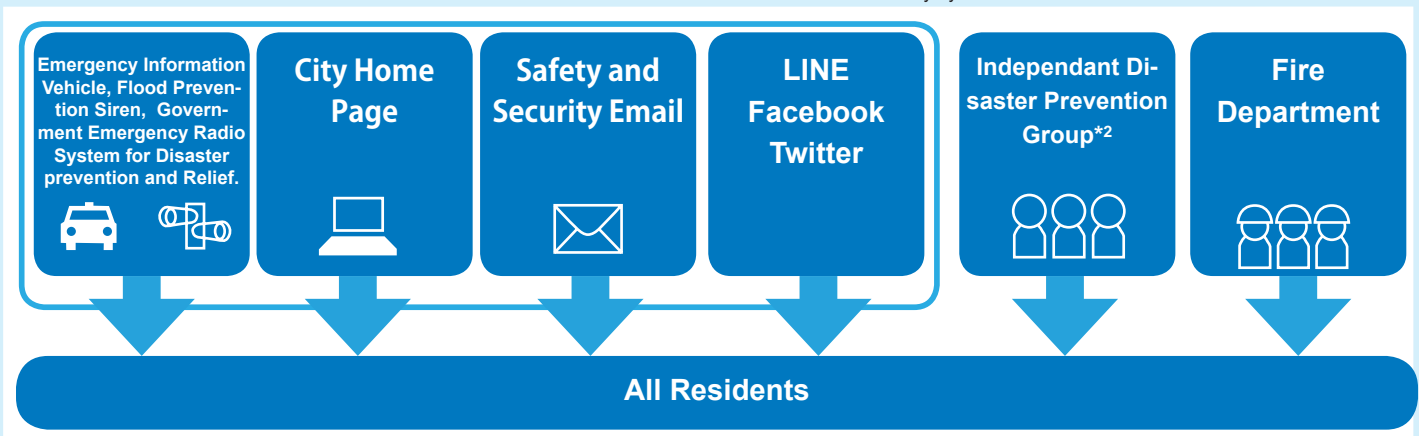
	Alert Level 3	Alert Level 4	Alert Level 5
Evacuation Information	Evacuation of the Elderly, Etc	Evacuation Instruction	Emergency Safety Measures
Course of action	<p>Evacuate the elderly from dangerous places</p> <ul style="list-style-type: none"> ● Please begin with the evacuation of those who need extra time during an evacuation (the elderly, those with disabilities) ● Other people also should begin their evacuation in their own time. Please contact your family, prepare your emergency bag, and begin your preparations for evacuation. 	<p>Evacuation of everyone from dangerous locations</p> <ul style="list-style-type: none"> ● Please quickly evacuate from dangerous locations. ● In cases where going outside puts your life in danger during an evacuation, please evacuate to a nearby safe space, or a safe place within your home. 	<p>Protect yourself in cases of danger</p> <ul style="list-style-type: none"> ● For those who have not evacuated, please quickly move to an evacuation site. ● In this situation, a disaster has already taken place or will imminently occur. Your life is in danger, so please move to an upper floor in your house and to a room away from any cliffs, and protect yourself however way you can.

Please Evacuate by Alert Level 4!

* Please see page 7 for more details.

*2 In Joyo City, every elementary school has an Independent Disaster Prevention Group. The goal of these groups is for local residents to work together and cooperate to "protect the community by ourselves" from disasters.

● Method of passing on evacuation information



● Where You Can Find Information On Disaster Prevention

You can find information online about Joyo City's disaster prevention, amount of rain, and river water levels.



Joyo City Home Page

<https://www.city.joyo.kyoto.jp/>

Japan Meteorological Agency Home Page

https://www.jma.go.jp/bosai/#area_type=class20s&area_code=2620700&pattern=default



Japan Meteorological Agency Kikikuru (Hazard Distribution)

Information to confirm if there's a heavy rain warning. Please also take advantage of our "Hazard Notification Service".

<https://www.jma.go.jp/bosai/risk/#zoom:5/lat:34.016242/lon:135.000000/colordepth:normal/elements:land>

River disaster prevention information from the Ministry of Land, Infrastructure, Transportation, and Tourism

Flood forecast and water level information that provides information on the status of water levels and future forecasts.



<https://www.river.go.jp/index>



Kyoto Crisis Management Web

Convenient portal where you can browse Kyoto crisis management and disaster prevention information.

https://www.bousai.pref.kyoto.lg.jp/dis_portal/

Kyoto City Landslide Disaster Warning Information

Disaster prevention weather information distributed for each municipality by both Kyoto Prefecture and Kyoto District Meteorological Observatory.

<https://d-keikai.pref.kyoto.jp/sp/>



Takayama Dam

<https://www.water.go.jp/kansai/kizugawa/takayama.htm>

Kyoto Prefecture Multi-Hazard Information System

Map information on floods, earthquakes, and inundation records for Kyoto prefecture.

<http://multi-hazard-map.pref.kyoto.jp/top/top.asp>



Joyo City Safety and Security email Advanced registration required

Those who register will be sent emails about weather and evacuation related information to their cell phones, smart phones, or computers.

Registration Address anshin.Joyo-city@raidan.ktaiwork.jp

<https://www.city.joyo.kyoto.jp/0000001255.html>

Government Emergency Radio System for Disaster Prevention and Relief (Outdoor Speaker)

Using speakers installed in 15 places throughout the city, information is given quickly and accurately.

Telephone Service: You can check the information within 24 hours of the broadcast. 0774-56-4110

<https://www.city.joyo.kyoto.jp/cmsfiles/contents/0000006/6180/douhoukei.pdf>



d Button (Data Broadcast on TV)

Take advantage of digital broadcasting on the ground (data broadcasting)!



Jorin-chan

Weather Radar

Sites where you can see weather radar and precipitation info:



Japanese Meteorological Agency (JMA) NowCast

<https://www.jma.go.jp/bosai/nowc/#lat:34.903108/lon:135.832376/zoom:12/colordepth:deep/elements:hrpns>



Japan Weather Assoc. tenki.jp

<https://tenki.jp/radar/map/>



Yahoo! Weather • Disasters

<https://weather.yahoo.co.jp/weather/zoomradar/>

Applications for smartphones where you can access this information:



NHK News • Disaster Application

https://www3.nhk.or.jp/news/news_bousai_app/index.html

Using this one application, you can see hazard maps, weather radar data, river information, earthquake information, and more.

The Japan Meteorological Agency's (JMA) weather information can be viewed in 14 languages.



<https://www.data.jma.go.jp/multi/index.html>



Multilingual Information on Disaster Mitigation

Languages	Content
English	Weather (weather, heavy rain, high temperature, etc.)/earthquake/tsunami/volcano information
繁体中文	气象 (天气、大雨、高温等) - 地震/海啸/火山相关的信息
简体中文	气象 (天气、大雨、高温等) - 地震/海啸/火山相关的资讯
한국어	기상(날씨, 호우, 고온 등) · 지진 · 지진해일(쓰나미) · 화산에 관한 정보
Español	Información Meteorológica (tiempo, lluvia torrencial, alta temperatura, etc) · Terremoto · Tsunami · Volcán
Português	Informações sobre Meteorologia (tempo, chuvas fortes, altas temperaturas, etc.) · Terremoto · Tsunami · Vulcão
Bahasa Indonesia	Informasi tentang cuaca (cuaca, hujan lebat, suhu tinggi, dll.), gempa bumi, tsunami, dan gunung berapi
Tiếng Việt	Thông tin liên quan đến khí tượng (thời tiết, mưa to, nhiệt độ cao v.v.) - động đất - sóng thần - núi lửa
Tagalog	Mga impormasyon tungkol sa panahon (lagay ng panahon, malakas na ulan, mataas na temperatura, atbp), lindol, tsunami at bulkan
ភាសាខ្មែរ	ព័ត៌មានអំពីអាកាសធាតុ (តម្រូវការអាកាសធាតុ រដូវវស្សាខ្លាំង កម្ដៅ) រំលោភផែនព្រះដី រំលោភផែនព្រះដី និង ភ្នំភ្លើង
नेपाल भाषा	मौसम (मौसम, ठूलो वर्षा, उच्च तापक्रम आदि), भूकम्प, चुम्बकी, आसुपुर्षी पहाड सम्बन्धी जानकारी
ភាសាខ្មែរ	ព័ត៌មានអំពី អាកាសធាតុ (តម្រូវការអាកាសធាតុ រដូវវស្សាខ្លាំង កម្ដៅ) រំលោភផែនព្រះដី រំលោភផែនព្រះដី និង ភ្នំភ្លើង
မြန်မာစာစကား	မိုးလေဝသ (ရာသီဥတု၊ မိုးသည်ထွက်ပြင်းစွာရွာခြင်း၊ အပူရှိန်မြင့်တက်လာခြင်း) · ငလုံး · တုန်ခါ · စီးပွားတံ ဝေဖန်
Монгол хэл	Цаг уурин (цаг агаар, аадар бороо, Өндөр агаарын хэмтэй гэр нэг) · газар хэлдэлтэйн · цунамийн · галт уул нэдэл
日本語	気象 (天気、大雨、高温など) · 地震 · 津波 · 火山に関する情報

Table of Contents

— Information Page —

1. Flood and Landslide Disasters	4
2. Actions to Take	6
3. Earthquakes	10
4. Daily Preparations	12
5. Evacuation Support, Evacuation Shelter Management	14
6. List of Evacuation Sites	16

— Hazard Map —

7. Floods and Landslides (Depth and Duration of Flooding)	20
8. Floods and Landslides by River (Kizugawa River, Furukawa River, Aodani River, Hasegawa River)	24
9. Floods and Landslides by Area (North, Central, South)	30
10. Floods and Landslides by School Districts (Kutsukawa, Furukawa, Fukatani, Terada, Teradaminami, Teradanishi, Imaiike, Tono, Aodani)	36
11. Earthquake Damage Projections (Nankai Trough/Ikoma Fault Zone)	54

1

Floods and Landslides

In recent years, there has been frequent heavy rain, causing flood and landslide damage in many parts of Japan every year.

Heavy rains caused by typhoons, particularly active rainy seasons and autumn rains, and localized torrential rains (sometimes also called "guerrilla torrential rains") may cause damage in Joyo City, including external damage (from overflowing rivers) and internal damage (from overflow of sewers and canals).

Flooding Disaster

A flooding disaster occurs when heavy rain causes an abnormal increase in water flowing down a river, causing water to overflow from the levees, levees to break, or bridges to be washed away. When levees break, or river water levels surpass the levees, it's called a flood. In Joyo city, there is the possibility of serious damage in the case of flooding from the Kizugawa river, the Furukawa river, the Hasegawa river, or the Aodanigawa river.



Inundation Damage (Internal flooding)

Inundation is a disaster where the increase in surface water due to heavy rains, etc. does not allow drainage to keep up with the increase, causing irrigation canals and sewage ditches to overflow and flood, and the subsequent flooding of houses and fields due to the inability of rivers to drain. The time it takes from the rain starting to fall and the flooding to begin is short so caution is necessary.



Landslide Disasters

Steep Cliff Collapse

A phenomenon in which steep mountain cliffs, steep naturally formed cliffs, or manmade slopes suddenly collapse.



(July 2020: Hita city, Oita prefecture)

Debris Flow

A phenomenon in which a large amount of water pushes sediment from the bottom of a mountain or valley downstream at once.

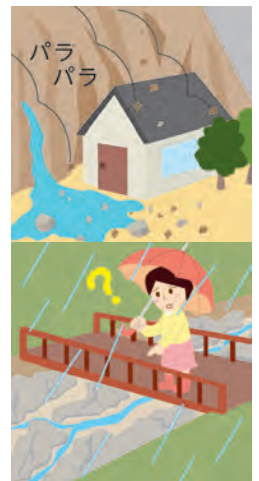


(August 2020: Higashi-Usuki district, Miyazaki Prefecture)

Source: "Erosion Control NEWS" by the Ministry of Land, Infrastructure, Transportation, and Tourism and the Japan Meteorological Society website

Changes Before a Landslide

- 1 Cracks appear in the slope and small rocks begin to fall.
- 2 Water gushes from the cliff. The water stops or becomes muddy.
- 3 Sounds are heard coming from the ground on the slopes or mountain. The soil begins to smell of rot.
- 4 The river water suddenly becomes muddy and begins to sweep trees into the flow.
- 5 The rain continues to fall, but despite that, the water flowing in the river through the valley suddenly decreases. You can hear the sounds of the trees on the land splitting and the sounds of stones crashing into each other.



Source: Government Public Relations website

Regarding Rainfall

If there's been over 20mm of rain in an hour, or if it's rained over 100mm since it started raining, there is risk of flooding or landslides. Please pay attention to the rain and weather reports!

Regarding Rain Strength

Amount of rain in 1 hour (mm)	More than 10 to 20	20 to 30	30 to 50	50 to 80	80 or above
Forecast Terms	Slightly heavy rain	Heavy rain	Very heavy rain	Extremely heavy rain	Torrential rain
What People Imagine	Lots of rain falling	Drenching (Heavy rain)	It's raining buckets	Rain falling like a waterfall	A strong suffocating sensation. A fearful amount.
Impact on People	Your feet get wet.	Get wet even if you're under an umbrella		Umbrellas become completely useless	
Driving in a car	No serious effect.	You can't see even though your wipers are going quickly	When driving at high speeds, a film of water forms between the wheels and the road, making breaks ineffective (hydroplaning)	Driving a car is dangerous	

Source: Government Public Relations website

In the case of a potential disaster due to heavy rain or typhoon, please check the weather report, and information on water levels and landslide danger levels, as well as evacuation information issued by Joyo City. Please judge what condition you are in and take evacuation actions to protect yourself!

Evacuation Information • Actions to Take

In order to prepare against heavy rain and typhoon storm and flood damage, everyone should think of "My Escape Plan", an evacuation plan tailored to your family and way of life. Keep a schedule of "when" "who" and "what". This will help you follow your plan of action without panicking.

Think about what you will do before an evacuation starts.

Information Gathering

- Check weather and evacuation information

Evacuation Preparations

- Check your emergency bag and stockpiles
- Check window locks
- Buy necessary items
- Charge cell phones
- Begin moving household goods up to the second floor or above
- Charge battery packs
- Inspect your house's surroundings
- Check if evacuation shelters are open
- Clean up things that aren't secured

Contacting and Talking to Others

- Talk to those in your area
- Call for evacuation
- Evacuate together

Name _____

Contact Information _____

- Talk to those in your area
- Call for evacuation
- Evacuate together

Name _____

Contact Information _____

Check what applies to you

- Keep in touch with family
(if they live separately from you)

- (If you would have trouble evacuating alone)
Contact your evacuation helper

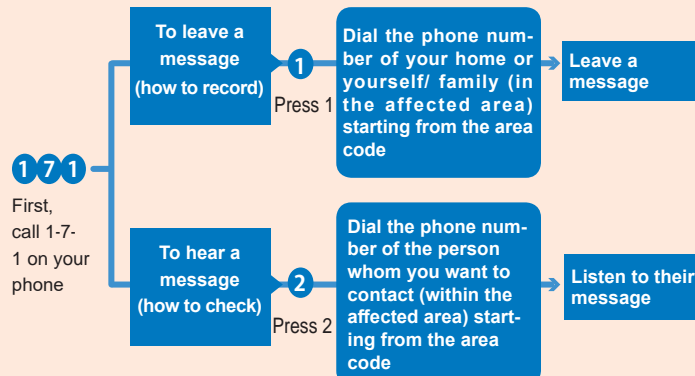
Other

Disaster Emergency Message: Dial 171

In order to confirm one another's safety in the event of a disaster while you are apart, it's best to discuss in advance how to confirm each other's safety and where to rendezvous. When there is a disaster, it may become difficult for cellphones to receive service, and there may be cases where you can't contact each other. In that case, use the aforementioned service.

Disaster Emergency Message: Dial 171

When there is a disaster, you can record and receive messages.



Disaster Broadband Message web171

Please access the URL and follow the instructions.

<https://www.web171.jp/>

[English](#) [한국어](#) [中文](#)



Alert Levels	Evacuation Information, etc.	Actions to Take	Your House's Evacuation Plan	Indicate when you will begin evacuating, and what you will do when you begin	Alert Levels	Corresponding Information / Information from the Japan Meteorological Society
5	Level 5 Emergency Safety Measures (Issued by Joyo City) *this information will not always be available	Take action to protect yourself immediately <ul style="list-style-type: none"> Those who haven't evacuated, please go to an evacuation shelter immediately! A situation where a disaster has already occurred or one will soon occur. It's dangerous, so please take steps to protect yourself, like moving to a higher floor in your house and staying away from rooms near cliffs. 	Writing Space <p>"When will you evacuate?" "What will you do when you evacuate?"</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>		Alert Level 5 Equivalent Information Information on flooding Heavy Rain Emergency Warning, etc.	
		(Always evacuate by Alert Level 4!)				
4	Level 4 Evacuation Instructions (Issued by Joyo City)	Everyone evacuate from dangerous locations <ul style="list-style-type: none"> Please quickly evacuate from dangerous places! In cases where going outside puts your life in danger during an evacuation, please evacuate to a nearby safe space, or a safe place within your home. 	Example) Evacuating to ○○ Elementary School (A father and children) <p>.....</p> <p>.....</p> <p>.....</p>		Alert Level 4 Equivalent Information Information on potential flood hazards Landslide Alert Information, etc..	
3	Level 3 Evacuation of the Elderly, Etc. (Issued by Joyo City)	Evacuation of the elderly from dangerous places <ul style="list-style-type: none"> Please begin with the evacuation of those who need extra time during an evacuation (the elderly, those with disabilities) Although not mandatory, evacuate if you feel at risk. Please contact your family, prepare your emergency bag, and begin your preparations for evacuation. 	Example) A mother and grandmother evacuate to a relatives house by car <p>.....</p> <p>.....</p> <p>.....</p>		Alert Level 3 Equivalent Information Information to provide a warning on flooding Flood Information Heavy Rain Warning, etc.	
2	Level 2 Heavy Rain and Flood Advisory (Issued by the Japan Meteorological Society)	Confirm your own evacuation plans <ul style="list-style-type: none"> Please re-check your route and timing to a designated evacuation center and always be prepared to take steps to evacuate! <div style="border: 2px dashed orange; border-radius: 15px; padding: 5px; background-color: #fff9c4; margin-top: 10px;"> It's a good idea to check if your house is in an "early evacuation zone" or a "landslide danger zone" </div>	Example) Re-checking your evacuation site <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>		Alert Level 2 Equivalent Information Information to call attention to flooding	
1	Level 1 Early warning information (Issued by the Japan Meteorological Society)	Prepare yourself for a potential disaster. <ul style="list-style-type: none"> Please pay attention to the newest information on disaster prevention and weather conditions 	Example) Re-checking her emergency bag (a mother) <p>.....</p> <p>.....</p> <p>.....</p>		This is the information people can refer to to take steps to evacuate of their own volition.	

In Joyo, there are areas where buildings may be destroyed by landslides and areas where rivers are expected to overflow with water reaching the third floor of buildings.

Confirm landslide danger forecasts in advance. If you receive information from Joyo City that dangerous landslides are predicted, evacuate immediately.

Evacuation Action Decision Flowchart

What Evacuation Actions Should I Take?

Confirm the location of your home and mark it on hazard map. * 1

Is your home in a colored (designated) area?

If No:

Be sure to have a plan.

* 1 Hazard maps are color coded maps showing areas with a high possibility of flooding or landslides. However, disasters may occur even in areas that are not colored.

Even if your home is not in a designated area, people who live on land that is lower than the surrounding area or near cliffs or hillsides, should evacuate in accordance with the evacuation information.

If Yes:

As a basic rule, evacuation from one's home is required because of the risk of disaster. * 2

Exceptions:

* 2 If the "three conditions" are met, you can stay in your home and shelter in place even if there is danger of flooding.

The three conditions are as follows:

- ① Not in a flood zone where houses are expected to collapse, etc.
- ② Living space is higher than flood water depth.
- ③ Can endure until the water recedes, and have sufficient access to water, food, electricity, gas, toilets, etc.

Will you or anyone evacuating with you take a long time to evacuate?

If No:

If Yes:

Do you have relatives or acquaintances inside or outside of Joyo City who live in a safe place where you can evacuate?

If Yes:

Alert Level 3:
If Evacuation of the Elderly, etc. is issued, evacuate to the home of a relative or acquaintance who lives in a safe location. (Consult each other on a regular basis.)

If No:

Alert Level 3:
When Evacuation of the Elderly, etc. is issued, evacuate from dangerous areas to designated emergency evacuation sites.

Do you have relatives or acquaintances inside or outside of Joyo City who live in a safe place where you can evacuate?

If Yes:

Alert Level 4:
If Evacuation Instructions are issued, evacuate to the home of a relative or acquaintance who lives in a safe location. (Consult with them on a regular basis.)



If No:

Alert Level 4:
When Evacuation Instructions are issued, evacuate from dangerous areas to designated emergency evacuation sites.

- Evacuation sites are not limited to elementary schools, junior high schools, and community centers. Also consider evacuating to a safe place such as a relative or acquaintance's house.
- Evacuation is for people who are at risk by residing in dangerous areas. People living in safe areas do not need to evacuate.

Source: Cabinet Office Disaster Prevention Information website.

Things To Remember When Evacuating

- When you evacuate, wear something easy to move in and move in groups of 2 or more people.
- While evacuating, try to avoid walking in inundated areas as much as possible. If you feel danger during evacuation, evacuate to the second story or higher of your house or a nearby building.
- Be aware that flooded areas are dangerous because of the possibility of falling into sewer manholes, gutters, etc. You don't know what kind of dangerous things are below the water's surface, so use a long stick as a walking stick and probe for hazards in order to ensure your safety while walking. 
- Men can walk in water up to 70cm deep, while women can walk in water up to 50cm deep. If water depth appears to be up to one's waist or deeper, exercise caution. Wait for rescue on high ground.
- Evacuating in bare feet or in long boots is not recommended. Athletic shoes with laces are recommended.
- Swollen rivers are very dangerous because these rivers flow fast and bridges can break or be washed away. Stay away. During times of heavy rain, do not check on rivers or irrigation channels under any circumstances. It is very dangerous for vehicles to be immersed in water, as they may become immobile or the force of the water may prevent the vehicle's doors from opening. Do not evacuate by car except in special circumstances. 

After an Evacuation is Complete Let your family and important people know that you safely evacuated!

How To Communicate with Family 

Family Rendezvous Place 

Before the evacuation order is lifted, it is very dangerous to leave the evacuation site!

Earthquake and Shaking Conditions

The intensity of an earthquake shake ranges on a scale of seismic intensity or shindo 1 to 7. When you feel the shaking of an earthquake, the first thing to do is protect yourself, then wait for the shaking to settle down.

* Also, please be careful of aftershocks (another earthquake after the original earthquake).

Seismic Intensity of 4

Most people are surprised. Suspended objects such as electric lights shake a lot.



Seismic intensity of 6-lower

Becomes difficult to stand. Wooden buildings vulnerable to earthquakes can be destroyed by falling roof tiles or building tilt.



Seismic intensity of 5-lower

Most people feel fear. Dishes or books on shelves may fall. Unsecured furniture moves and unstable objects fall over.



Seismic intensity of 6-upper

Can't move without crawling. Wooden buildings vulnerable to earthquakes may tilt and break.



Seismic intensity of 5-upper

Difficulty walking without holding onto things. Many dishes and books on shelves fall. Furniture that is not secured may fall over.



Seismic Intensity 7

Even earthquake-resistant wooden buildings can tilt. Many reinforced concrete buildings vulnerable to earthquakes can be destroyed.



Source: JMA website

Manual for Actions by Time Elapsed in the Event of an Earthquake

When an earthquake occurs, it is necessary to act calmly and not panic.

Try to anticipate various situations, such as early in the morning, in the middle of the night, or when you are at work or school, and visualize what you would normally do in the event of an earthquake.

In the occurrence of an earthquake

The first big shake First, protect yourself.

After 1-2 minutes

When the shaking has settled down

Check on places that fire is used (like your stove).

If a fire breaks out, don't panic and extinguish it before spreads.

Make sure your family is safe.

Check to make sure they are not under a piece of furniture that has fallen. Put on shoes. Wear shoes or thick slippers inside the house, since shards of glass can spread around.

When evacuating, be careful of falling roof tiles, damaged brick walls, and unstable vending machines.

After 3 minutes

Make sure everyone is ok
Prevent fires from starting

Talk to your neighbors and people in the neighborhood.

Protect those who require special consideration (people who have difficulty evacuating by themselves in the event of a disaster, such as the elderly, the disabled, infants, patients with diseases, pregnant women, and foreign nationals). Help your neighbors. Check to see if anyone is injured, or does not know where they are, or where they are going. Use a fire extinguisher.

Prevent fires from starting. Calmly put out a fire if it hasn't spread.

Please be careful of aftershocks (another earthquake after the original earthquake) Be aware of electricity and gas leaks.

Turn off the electric breaker. Close the plug at the base of the pipe that brings gas into the house.

After 5 minutes

Use radio and other sources for correct information

"Confirm information on disaster prevention organizations and voluntary disaster prevention organizations**.

Beware of information that is not true.

**In Joyo City, each elementary school district has its own voluntary disaster prevention organization. The purpose of this organization is for local residents to cooperate and work together to "protect their community by themselves" from disasters.

10 minutes
several hours
3 days

Cooperate in firefighting, rescue and relief operations

Cooperate in firefighting, rescue and relief operations. Available water and food is limited to what is stored at home. Prepare drinks and food for at least 3 days (7 days is recommended). Gather disaster and damage information. Don't go back into broken homes. Help those nearby, protect those in need, the sick, the injured, etc.

If You Are Indoors

In a house

If you feel a tremor, protect yourself and act only after the tremor subsides. Protect the safety of infants, the sick, the elderly, and other persons requiring special care. Do not walk barefoot since you can be injured by broken glass, etc.

Housing complex

Open doors and windows to create an escape route. During an evacuation, never use an elevator. Evacuate by using the stairs to avoid being caught in the flames and smoke.

If You Are Outdoors

On the road

Without stopping in the road, protect your head with a bag or something similar from objects falling from above, such as window glass, signboards, etc. Move away from buildings, and go to a more safe and spacious area such as a park. Stay away from brick walls and vending machines.

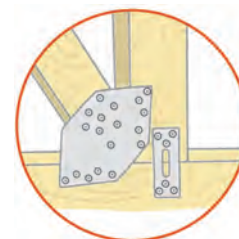
While you are driving

Hold the steering wheel firmly and slow down gradually. Make room for emergency vehicles and other traffic, stop on the left side of the road, and turn off the engine. Use the radio in your car to gather information. If you need to evacuate, leave the key in the ignition and do not lock the doors. Remember to take valuables such as vehicle inspection papers with you and evacuate on foot.

Make Your House Earthquake-proof

Joyo City is promoting a variety of measures to encourage the development of an earthquake-resistant city.

- Dispatch of earthquake-resistance diagnosticians for wooden houses
 - Subsidy Project for Seismic Retrofitting of Wooden Houses
(Seismic retrofitting, simple seismic retrofitting, installation of seismic shelters)
- * Conditions apply to wooden houses built before May 31, 1981.



Before an Earthquake Happens (Advance Preparation)

Prevent furniture from falling over and be careful with furniture placement.

- L-shaped metal fittings to prevent movement
- Do not place furniture that might fall over in the bedroom.
- Fix and place the TV in a low position.
- Keep slippers in the bedroom.
- Keep doorways and aisles clear of objects.
- Apply a film to the window glass to prevent it from shattering when the glass is broken.

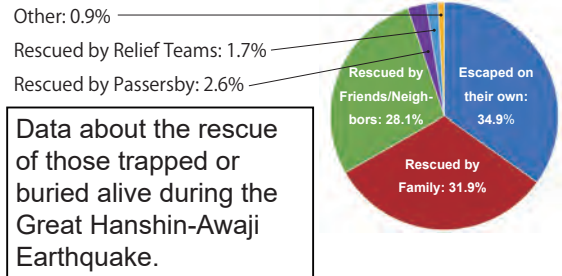


4

Daily Preparations (Emergency Items)

In the Great Hanshin-Awaji Earthquakes, around 90% of those who escaped from collapsed buildings did so on their own, or with the help of family, friends, or neighbors.

When a large scale disaster occurs, it will take time until help from the national government or the municipalities (public assistance) arrives. It is important to protect one's own life by oneself and to engage in disaster prevention activities through mutual aid within your community.



Source: Cabinet Office website

Let's work on disaster prevention in the community (mutual aid) (helping each other)!

In Joyo City, each elementary school district has its own voluntary disaster prevention organization. The purpose of this organization is for local residents to cooperate and work together to "protect their community by themselves" from disasters. The organization regularly conducts various disaster drills and training sessions.

Please participate in the efforts of voluntary disaster prevention organizations to learn where disaster prevention tools are located and how to use them.



Map Training (HUG)



Food Distribution Training
(Training to make and distribute food to people in need in the event of a disaster)



Firefighting Training



Smoke House Experience



Training for Stretcher Transportation



Training to Help with Evacuation of People in Need of Special Help



Training to Establish an Evacuation Shelter

Disaster Preparation Check List

In the event of a major disaster, electricity, gas, water, and communications may stop.

Prepare a 3- to 7-day supply of drinking water and emergency food for emergencies, and have it ready to take out immediately.

Check



Stockpile

These are items to be prepared so that you can make yourself ready with what you need for about a week until the disaster recovery.

Prepare at least a 3-day supply per family member, preferably 7 days.

Water

3 Liters per day X 7 days worth X Number of people in the family
* Water for cooking, washing, toilets, etc. is required separately.

Food

Staple foods (cooked and dry packed rice, dried noodles, cup noodles, etc.), pouch foods (beef bowl ingredients, curry ingredients, pasta sauce, etc.), canned foods (tuna - mackerel and other seafood, grilled chicken and other meat, fruits), cookies, chocolate, dried bread, dried fruits, etc.

Fuel/ Others

It would be convenient to have a portable gas stove, 6 cans of gas (Less than one can per person per day), plastic bags, newspaper paper, kitchen wrap, etc.



Check Take Emergency Bag Out First When Evacuating.

Valuables

- Cash, 10 yen coins
- Savings Bank Book
- Cards
- Insurance Cards
- Identification Cards (Driver's License etc.)
- Signature Stamp (Hanko)
- House/Car Keys



Clothes

- Underwear/ Clothing
- Warm Clothes
- Rain Cover
- Towel/ Handkerchief



First Aid Kit

- First Aid Supplies
- Household Medicine
- Medicine Notebook



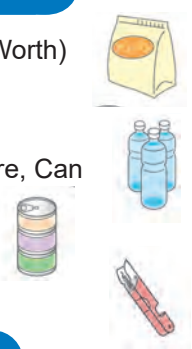
Daily Neccessities

- Utility Knife
- Match, Lighter
- Non-slip Work Gloves
- Vinyl Sheets
- String, Packing Tape
- Tissues/ Wet Tissues
- Wrap/ Aluminum Foil
- Hand Sanitizer
- Hand Soap/ Soap
- Mask
- Thermometer
- Toilet Paper
- Simple Toilet



Food and Tableware

- Food (3 Days Worth)
- Water
- Paper Tableware, Can Opener, etc.



Others

- Sanitary Items
- Writing Utensils
- Copy of Address Book

Others (Baby Goods)

- Milk
- Diapers
- Baby Food



Evacuation Equipment

- Flashlight, Lantern
- Spare Batteries
- Helmet
- Mobile Charger
- Mobile Battery
- Whistle



Manual flashlights, chargers, and radios can come in handy in the event of a power outage.

Others (Elderly Neccessities)

- Dentures
- Diapers
- Cane
- Hearing Aids



Others (Anything Else)

Food Stockpiling Method "Rolling Stock Method"

This is a method of always having a certain amount of food in the house by purchasing a little more food, processed foods, and preserves on a regular basis, and buying new food only for what you have eaten.



5

Evacuation Support and Shelter Management

People requiring special consideration (people who have difficulty evacuating by themselves in the event of a disaster, such as the elderly, disabled, infants, people with difficult diseases, pregnant and nursing mothers, and foreign nationals) need a variety of assistance, such as transportation, information, and care in evacuation centers. On the other hand, those who need assistance may also be able to support others in their own ways. It is important to understand what each person can do and to build a relationship to support each other in the event of a disaster. Neighbors should routinely check with each other about evacuation and how to do so in the event of an emergency. Also, if evacuation is necessary, talk to your neighbors and evacuate together.

Evacuation Assistance

- Think about what dangers there are and how to act when a disaster occurs on a daily basis!
- Take necessary medicines and daily necessities with you as the first thing when evacuating, and prepare an "Individual Evacuation Plan" for those who require support with evacuation.
- Communicate with your neighbors on a regular basis to build a relationship of trust.



Preparing for Evacuation Assistance

It is important to understand where they (people who have difficulty evacuating by themselves and need special assistance to evacuate in a short period of time) are and their situation on a daily basis in order to provide evacuation support for those who need it. If you know someone who may need help, make sure that person is ok with you helping them.



Individual Evacuation Plan

Joyo City is working to create individual evacuation plans with specific support methods for each person needing to evacuate. The prepared individual evacuation plans will be used for evacuation support and safety confirmation in the event of a disaster, as well as for regular disaster drills.

Evacuation Center Management

When residents have to evacuate due to disasters such as earthquakes, rain, wind, etc., evacuation centers become a reliable place for disaster victims and a central location to support them as it is difficult to live at home.

When a disaster occurs, city staff will be placed at the evacuation centers as they open, with the cooperation of voluntary disaster prevention organizations, etc.



The motto in the shelter is, "help each other".

- Let's work together in the running of the shelter.
- Follow the rules at the shelter and act in a way that does not disturb other evacuees.
- Don't trust rumors, always confirm that they are the real facts.
- Please be considerate to the elderly, the disabled, pregnant women, and infants.
- Provide visually impaired persons with directions to confirm the location of restrooms, running water, etc.

If temporary toilets are to be placed outdoors, make sure that they can be easily moved. For example, by placing them where they can be reached by running along a wall.



- For people with hearing impairments, announcements, etc., should be written on paper.
- Create aisles and spaces for wheelchairs to pass through.
For those with mental disabilities, they may not understand the changes in their environment, so communicate in an easy-to-understand way about life in a shelter using gentle and short words, letters, pictures, and photos.
Try to calm them down by talking to them slowly.
- Foreigners may have differences in their basic lifestyle habits, so try to be considerate and understand each other!
- For foreigners who do not understand Japanese, make sure to write notices and other information in multiple languages.
- When evacuating with pets, bring your pet's evacuation kit (food, toilet seat, etc.) and take them with you in a cage or carrier.
Pets are to be completely separated from areas where people are present (with the exception of assistance dogs for those who require them).



Countermeasures Against Infectious Diseases

Avoid the Three Cs

- In order to prevent the spread of COVID, in addition to cough etiquette, hand sanitizer, etc., please avoid the "Three Cs (Closed spaces, Crowded places, Close contact settings)".
- Even if you can't follow the Three Cs, try to avoid being as close together as possible to reduce the risk of infection.
- Be careful about crowding and closeness, even outdoors. Avoid approaching crowds, talking loudly, etc.

Beware of COVID!

- **Consider evacuating to your home or to the homes of relatives and acquaintances to avoid crowding.**
- **Wash hands frequently and practice cough etiquette.**
- **Avoid the Three Cs (Closed spaces, Crowded places, Close contact settings) in shelters.**
- **If you are not feeling well, consult with someone immediately.**

6

List of Evacuation Sites

List of Evacuation Sites

No.	School District	Designated Evacuation Site	Address	Tel. Number	Designated Evac. Location		
					Earthquake	Flood	Landslide Disaster
1	Kutsukawa	Kutsukawa Elementary School Kutsukawa Elementary School Grounds	Hirakawa Shigetsu 1	52-1703	○	○	○
2	Kutsukawa	Kutsukawa Nursery School Hokubu Welfare Center for the Elderly Yowaen	Hirakawa Taishogun 2	52-4864 52-9670	○		○
3	Kutsukawa	Kutsukawa Play Park	Hirakawa Nohara 10 (next to)		○		○
-	Kutsukawa	Private Hirakawa Kindergarten	Hirakawa Taishogun 77-3	53-1288			○
4	Kutsukawa	Furukawa Elementary School Furukawa Elementary School Grounds	Kozuya Sakaibata 57	53-1500	○		○
5	Kutsukawa	Kita Joyo Junior High School Kita Joyo Junior High School Grounds	Hirakawa Nagusa 33	55-1009	○		○
6	Furukawa	Hokubu Community Center ※ (Not available during earthquake proofing work due to complete by march 2023)	Hirakawa Hirota 67	55-1001	※○		○
7	Furukawa	Private Sato no Nishi Nursery School	Kuse Satononishi 66-1	55-0243	○		○
8	Kuse	Kuse Elementary School Kuse Elementary School Grounds	Kuse Shibagahara 143	52-3670	○	○	○
9	Kuse	Kuse Nursery School	Kuse Shibagahara 74-1	52-4369	○	○	○
10	Kuse	Tobu Community Center Tobu Community Center (Open Space)	Terada Shodo152	55-7858	○ ○	○	○ ○
11	Kuse	Tobu Welfare Center for the Elderly Yotoen	Kuse Shibagahara 131	53-3700	○	○	○
12	Kuse	Crescent Tennis Academy Joyo (Vacant Lot)	Terada Amaduka 47	53-7606	○	○	○
13	Fukatani	Fukatani Elementary School Fukatani Elementary School Grounds	Terada Fukatani 111-2	53-3200	○	○	○
14	Fukatani	Higashi Joyo Junior High School Higashi Joyo Junior High School Grounds	Kuse Kamiohtani 24	54-0407	○	○	○
15	Fukatani	Regional Childcare Support Center (Hinata Bokko)	Terada Fukatani 16	55-9260	○	○	○
16	Fukatani	Historic Site Shodokanga Ruins	Terada Shodo 89 (next to)		○	○	○
17	Terada	Terada Elementary School Terada Elementary School Grounds	Terada Kitayamada 2	52-2589	○	○	○
18	Terada	Joyo Junior High School Joyo Junior High School Grounds	Terada Kitayamada 35	52-2708	○	○	○
19	Terada	Joyo Senior High School Joyo Senior High School Grounds	Terada Miyanojira 1	52-6811	○	○	○
20	Terada	Private Shii no Ki Nursery School Equal Opportunity Center (Palette Joyo)	Terada Hayashinokuchi 11-114	54-7556 54-7545	○	○	○
21	Terada Minami	Terada Nishi Elementary School Terada Minami Elementary School Grounds	Terada Shinike 23-1	52-6800	○		○
22	Terada Minami	Ko no Su Assembly Hall	Terada Mitosaka 130	52-0826	○	○	○

No.	School District	Designated Evacuation Site	Address	Tel. Number	Designated Evac. Site		
					Earthquake	Flood	Landslide Disaster
23	Terada Minami	Private Kunugi Nursery School	Terada Niwai 36-4	52-1662	○		○
24	Terada Minami	City Public Gym Athletic Park	Terada Okuyama 1	55-6222	○	○	○
25	Terada Minami	Bunka Parc Joyo	Terada Imabori 1	55-1010	○		○
26	Terada Minami	Ko no Su Nursery School	Terada Higashinokuchi 51-5	55-9191	○		○
27	Terada Nishi	Terada Nishi Elementary School Terada Nishi Elementary School Grounds	Terada Nishinokuchi 65	53-7005	○		○
28	Terada Nishi	Nishi Joyo Junior High School Nishi Joyo Junior High School Grounds	Terada Inuidekita 82	53-1600	○		○
29	Terada Nishi	Saeki Kindergarten	Terada Imabashi 68	52-3669	○		○
30	Terada Nishi	Seibu Welfare Center for the Elderly (Yokoen)	Terada Inuidekita 55	53-9393	○		○
31	Imaike	Imaike Elementary School Imaike Elementary School Grounds	Terada Omuro177-1	52-2402	○		○
32	Imaike	Imaike Nursery School	Tono Takai 44-3	53-2800	○		○
33	Imaike	Nishi Joyo Senior High School Nishi Joyo Senior High School Grounds	Biwanosho Kyonawate 46-1	53-5455	○		○
34	Imaike	Imaike Community Center	Biwanosho Chihara 15-1	56-0525	○		○
35	Imaike	Biwanosho Play Park	Biwanosho Ohbori 138-1 (next to)		○		○
36	Imaike	Kizugawa Riverbed Sports Park	Mizushi Shimosotojima 23-1 (next to)		○		○
37	Tono	Tono Elementary School Tono Elementary School Grounds	Tono Horiguchi 1	52-0009	○		○
38	Tono	Minami Joyo Junior High School Minami Joyo Junior High School Grounds	Kannondo Tatsumibata 17-4	53-7009	○ ○	○	○ ○
39	Tono	Nambu Community Center Nambu Community Center (Open Space)	Tono Higashitabe 70-1	55-1002	○		○
40	Tono	Outdoor Youth Activities Center Outdoor Youth Activities Center (Open Space)	Terada Ninaminakashiba 80	53-3566	○	○ ○	○ ○
41	Tono	Private Seishin Nursery School	Tono Aramida 4	55-0230	○		○
42	Tono	Health Center	Tono Kubota 1-1	55-1111	○		○
43	Tono	Shiseki Moriyama Ruins	Tono Moriyama 1-1		○	○	○
44	Tono	AI Plaza Parking Lot (Roof)	Tono Aramida 112	56-2600	○	○	○
45	Tono	Prefectural Disabilities Kizugawa Athletic Park	Tono Kitazumi14-8	66-6022	○	○	○
46	Aodani	Aodani Elementary School Aodani Elementary School Grounds	Naka Mukogawara 1	52-0040	○		○
47	Aodani	Central Welfare Center for the Elderly (Yojuen) Central Welfare Center for the Elderly Yojuen (Open Space)	Nashima Kawaranokuchi 20	55-1017	○		○
48	Aodani	Prefectural Disabilities Welfare Center Gym Prefectural Disabilities Welfare Center (Open Space)	Naka Ashihara	53-6644	○	○	○
49	Aodani	Aodani Nursery School	Naka Hinokami 63-1	52-1039	○		○
50	Aodani	Aodani Community Center	Ichinobe Goto 7-1	53-8273	○		○

List of Facilities for Those In need of Assistance (As of January 31, 2021)

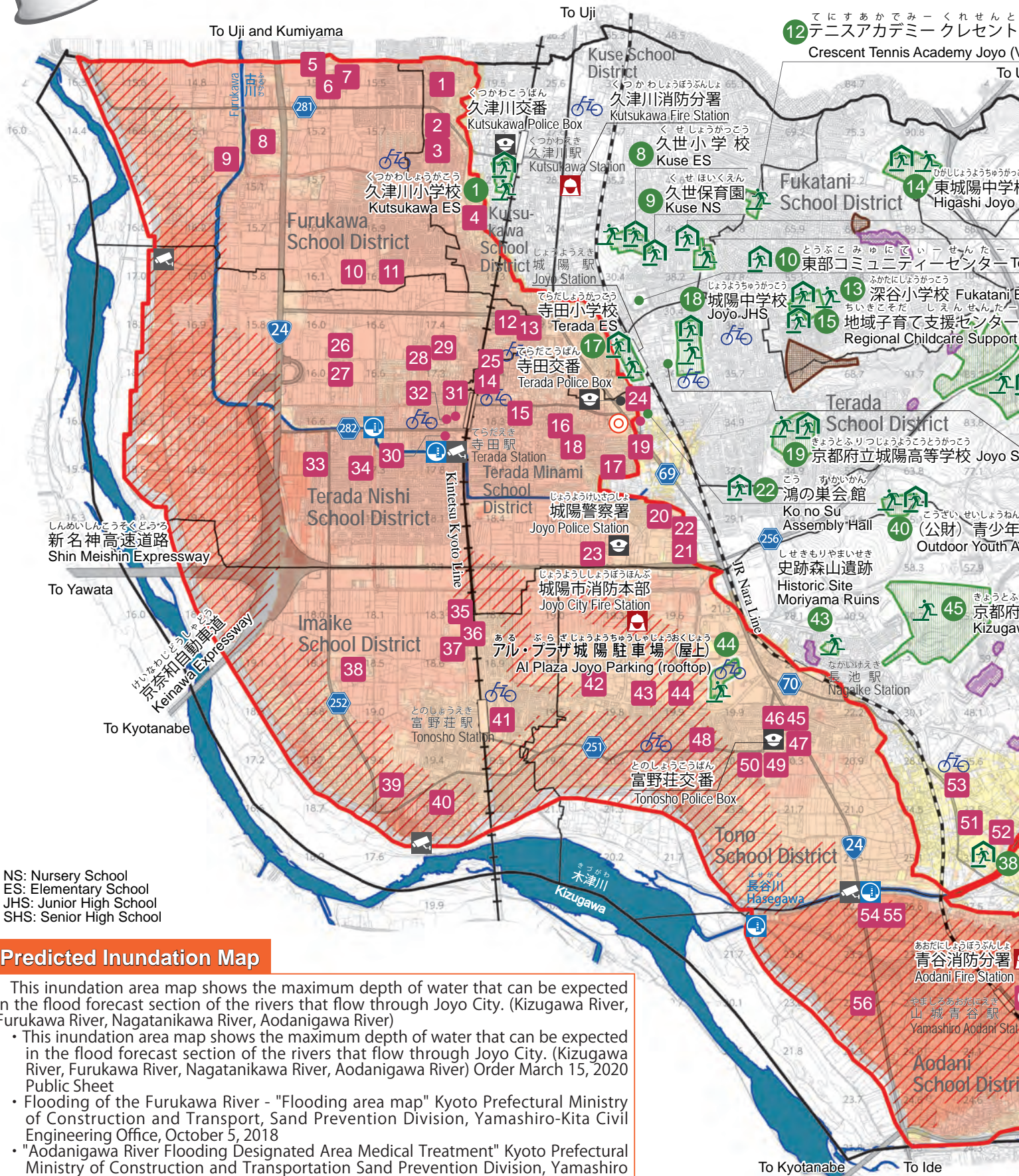
"Facilities for Those In Need of Assistance" are those listed in local evacuation plans where people who need them can evacuate to in the case of a flood, etc., and are not to be used by people that do not need this assistance. Please use your own designated evacuation site.

No.	School District	Type of Facility	Name of Facilities for Those in Need of Assistance	Address	Tel. Number
1	Kutsukawa	Social Welfare Facility	Small Scale Multi-purpose Facility Kutsukawa Whitey	Hirakawa Nohara 16-18	52-5060
2	Kutsukawa	Social Welfare Facility	Kutsukawa Nursery School	Hirakawa Taishogun 2	52-4864
3	Kutsukawa	School	Hirakawa Kindergarten	Hirakawa Taishogun 77-3	53-1288
4	Kutsukawa	Social Welfare Facility	Futabaen	Kuse Kitagaido 137-5	54-1966
5	Furukawa	School	Kita Joyo Middle School	Hirakawa Nagusa 33	55-1009
6	Furukawa	Social Welfare Facility	Group Home Hidamari Hamamichiura	Hirakawa Hamamichiura 29-5	54-7817
7	Furukawa	Social Welfare Facility	Community Based Special Nursing Home Hidamari Hirakawa	Hirakawa Hamamichiura 20-1	55-5219
			Care House Mire Kyoto		55-6010
			Designated Nursing Home Hidamari		55-5130
			Short-term Residential Care Facility Hidamari Hirakawa		55-5224
8	Furukawa	Medical Facility	Kyoto Kizugawa Hospital	Hirakawa Nishirokutan 26-1	54-1111
9	Furukawa	School	Furukawa Elementary	Kozuya Sakaibata 57	55-5130
		Social Welfare Facility	Furukawa Daycare		55-5224
10	Furukawa	Social Welfare Facility	Special Nursing Home for the Elderly Hidamari Kuse	Kuse Satononishi 82-1	54-7539
			Short-term Residential Care Facility Hidamari Kuse		54-7536
11	Furukawa	Social Welfare Facility	Satononishi Nursery School	Kuse Satononishi 66-1	55-0243
12	Terada	Social Welfare Facility	Short Stay Soyokaze	Terada Kaitogo 70-4	55-5583
13	Terada	Social Welfare Facility	Maker Space Minna Nakama	Terada Kaitogo 69-1	55-5583
14	Terada Minami	Social Welfare Facility	Sinkuwanzu Life Office Kishapoppo	Terada Nishinokuchi 9-10	55-3535
15	Terada Minami	Social Welfare Facility	Shared Living Home Syukuresare	Terada Chudaisho 99	66-5264
16	Terada Minami	Social Welfare Facility	Happy Smile	Terada Higashinokuchi 2-8-101	51-5152
17	Terada Minami	Social Welfare Facility	Home Care Office Obu	Terada Higashinokuchi 17-29	080-3799-5261
18	Terada Minami	Social Welfare Facility	Konosu Nursery School	Terada Higashinokuchi 51-5	55-9191
19	Terada Minami	Social Welfare Facility	Waiwai Purasu Terada Classroom	Terada Fukurojiri 17-12 Iwasa Building 1st Floor	57-3090
20	Terada Minami	School	Terada Minami Elementary School	Terada Shinike 23-1	52-6800
		Social Welfare Facility	Terada Minami Daycare		54-0707
21	Terada Minami	Social Welfare Facility	Group Home Riezon Moeginomura	Terada Shinike 65-1	54-0050
22	Terada Minami	Social Welfare Facility	Day Service Center Riezon Moeginomura	Terada Shinike 65-2	54-7500
			Small-scale Multifunction Home Riezon Moeginomura		54-7505
23	Terada Minami	Social Welfare Facility	Kunugi Nursery School	Terada Niwai 36-4	52-1662
24	Terada Minami	Social Welfare Facility	Afterschool Daycare Center Orora Classroom	Terada Takada 40-9	53-2016
25	Terada Minami	Social Welfare Facility	Elderly Assisted Care Home Terada Home	Terada Shakugo 40-4	34-4562
26	Terada Nishi	School	Nishi Joyo Junior High School	Terada Inuidekita 82	53-1600
27	Terada Nishi	School	Terada Nishi Elementary School	Terada Nishinokuchi 65	53-7005
		Social Welfare Facility	Terada Nishi Daycare		54-2584
28	Terada Nishi	Social Welfare Facility	Western Day Service Center	Terada Inuidekita 55	53-8555
29	Terada Nishi	Social Welfare Facility	Mitosaka Yuai Home Terada Care Center (Day Service Yuai Terada) (Yuai Home (Small-scale Multifunction Home)) (Group Home Yuai Terada)	Terada Inuidekita 45	56-1950
30	Terada Nishi	Social Welfare Facility	PARC Whiru Joyo	Terada Hijiri 18-6	74-8277
31	Terada Nishi	Social Welfare Facility	Work Shop Nonohana	Terada Hijiri 48-26	55-1532
32	Terada Nishi	Social Welfare Facility	! -apartment	Terada Hijiri 54-4 Taisei Apartment Building	66-4618

No.	School District	Type of Facility	Name of Facilities for Those in Need of Assistance	Address	Tel. Number
33	Terada Nishi	School	Saeki Kindergarten	Terada Imabashi 68	52-3669
34	Terada Nishi	Social Welfare Facility	After School Day Service Kirin Club	Terada Imabori 62 Banchi 70,71	66-4723
35	Imaike	School	Imaike Elementary School	Terada Omuro 177-1	52-2402
		Social Welfare Facility	Imaike Daycare		54-2956
36	Imaike	Social Welfare Facility	Imaike Nursery School	Tono Takai 44-3	53-2800
37	Imaike	Social Welfare Facility	Community Welfare Support Center Joyo (Elderly Day Service Center Smile) (Day Service Center for the Physically Challenged, Suiingu) (Life Support Center for Persons with Disabilities Harmony) (Regional Rehabilitation Support Center for Children (Persons) with Disabilities Uru)	Biwanosho Nakaokuda 49-1	58-0611
					58-0622
					55-5981
					54-3109
38	Imaike	School	Kyoto Prefecture Nishi Joyo Junior High School	Biwanosho Kyotawate 46-1	53-5455
39	Imaike	Social Welfare Facility	Residences for the Elderly with Assiting Services Gentle Hands Senior Living Yasashie Joyo	Biwanosho Nishinokuchi 13-1	53-8341
40	Imaike	Social Welfare Facility	Serviced Housing for the Elderly Glory Hohoemi no Sato Day-Care Center	Biwanosho Obori 94	56-0135
41	Imaike	Social Welfare Facility	Support Center for Continuous Employment Support of type B Business Glow	Biwanosho Kaseda 72	090-8368-1613
42	Tono	Social Welfare Facility	Seijin Nursery School	Tono Nishitabe 64-1 (Scheduled to relocate in 2023)	53-1300
43	Tono	Social Welfare Facility	Support Facility for the Disabled, Rin	Tono Higashitabe 69-1	56-7888
44	Tono	Social Welfare Facility	Seishin Nursery School	Tono Aramida 4	55-0230
45	Tono	Social Welfare Facility	Group Home Magokoro Joyo	Tono Minamishimizu 68-5	54-7761
46	Tono	Social Welfare Facility	Small-Scale Multifunctional Home Magokoro Joyo	Tono Minamishimizu 68-6	54-8630
47	Tono	Social Welfare Facility	WaiWai Purasu Joyo Classroom	Tono Minamishimizu 59-1 Guranbiru 2nd Floor	55-6838
48	Tono	Social Welfare Facility	WaiWai Purasu Tono Classroom	Tono Minamishimizu 8-6	66-6825
49	Tono	School	Tono Elementary School	Tono Horiguchi 1	52-0009
50	Tono	Social Welfare Facility	Tono Daycare	Tono Horiguchi 2-1	54-2955
51	Tono	Social Welfare Facility	Designated In-Home Care Facility Challenge	Kannondo Tatsumibata 60	53-4786
52	Tono	School	Minami Joyo Junior High School	Kannondo Tatsumibata 17-4	53-7009
53	Tono	Social Welfare Facility	After School Day Service Kirin	Kannondo Kohata 92-3 Sogoenjo Center P-BOC24 1F	66-4723
54	Aodani	Social Welfare Facility	Special Nursing Home for the Elderly Bihara Honganji	Nashima Uchigaito 1	54-0700
55	Aodani	Medical Facility	Asoka Bihara Hospital	Nashima Shimonoaze 3-3	54-0120
56	Aodani	Social Welfare Facility	Joyo Workshop	Nashima Kawaranoguchi 12	54-2424
57	Aodani	Social Welfare Facility	Aodani Nursery School	Naka Hinokami 63-1	52-1039
58	Aodani	School	Aodani Elementary School	Naka Mukogawara 1	52-0040
		Social Welfare Facility	Aodani Daycare		54-2486
59	Aodani	School	Aodani Seiya Family Kindergarten	Naka Mukogawara 11	53-9303
60	Aodani	Social Welfare Facility	Nagomi House	Naka Kitaishigami 5	54-2424
			Short Stay Nagomi House		
61	Aodani	Social Welfare Facility	Joyo Workshop Ichibe Branch	Ichinobe Goto 7-30	54-2424
62	Aodani	Social Welfare Facility	Small-Scale Multifunctional Facility Aodani Whitey	Ichinobe Konashima 33-2	52-8377
			Day Service Hohei-Irae Residence		46-8743
63	Aodani	Social Welfare Facility	Suidosaka Yuai Home Aodani Care Center (Group Home Yuai) (Day Service Yuai)	Ichinobe Nakagaito 4	57-0320
64	Aodani	Social Welfare Facility	Intensive Care Nursing Home Villa Joyo	Ichinobe Sasahara1	55-1875
65	Aodani	Social Welfare Facility	Livelihood Care Facility JOY!	Ichinobe Kakinokihara 53-14	070-1748-5501



Hazard Map Flooding · Landslides



NS: Nursery School
 ES: Elementary School
 JHS: Junior High School
 SHS: Senior High School

Predicted Inundation Map

This inundation area map shows the maximum depth of water that can be expected in the flood forecast section of the rivers that flow through Jojo City. (Kizugawa River, Furukawa River, Nagatanikawa River, Aodanigawa River)

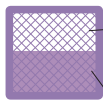
- This inundation area map shows the maximum depth of water that can be expected in the flood forecast section of the rivers that flow through Jojo City. (Kizugawa River, Furukawa River, Nagatanikawa River, Aodanigawa River) Order March 15, 2020 Public Sheet
- Flooding of the Furukawa River - "Flooding area map" Kyoto Prefectural Ministry of Construction and Transport, Sand Prevention Division, Yamashiro-Kita Civil Engineering Office, October 5, 2018
- "Aodanigawa River Flooding Designated Area Medical Treatment" Kyoto Prefectural Ministry of Construction and Transportation Sand Prevention Division, Yamashiro-Kita Civil Engineering Office Order and October 4, 2019 Public Table
- "Hasegawa River Flooding Map" Sand Prevention Division, Ministry of Construction and Transportation, Kyoto Prefecture and the Yamashiro-Kita Civil Engineering Office on October 4, 2019.

This is a simulation of the inundation situation when all four rivers overflow due to flooding caused by the expected maximum rainfall, considering the condition of the river channels and flood control facilities of the four rivers (Kizugawa River, Furukawa River, Hasegawa River, and Aodani River) at a given point in time.

This simulation does not consider inundation due to the breakage of a tributary river, rainfall in excess of the rainfall that can be simulated, or inundation due to internal flooding.

(Flood Depth)

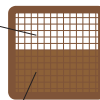
Landslides



Steep slope landslides

Landslide Warning Areas

Area where landslides may occur



Landslide

Landslides special warning area

Areas where buildings may collapse and people may be seriously injured

0 200 500 1,000m



Flood Depth

Scale

1:24000

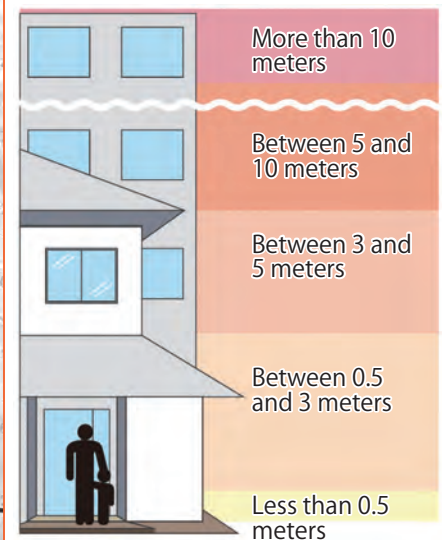
Early Evacuation Area

Areas that fall under any of the following categories ① to ③ that are considered dangerous to life and limb when a river overflows:

- ① Areas that will be inundated (water entering buildings) by 1.0 m (above the waist of an adult) or more in the event of river flooding.
- ② Areas that will be inundated by 0.5m (above the knee of an adult or the first floor) or more for at least 24 hours in the event of river flooding.
- ③ Areas where houses and buildings are swept away or damaged by overflowing currents, etc. in the event of river flooding.

If there is a possibility of a disaster, such as when evacuation information is issued, please evacuate to the evacuation zone as soon as possible.

Expected depth of water and its criteria in case of flooding



Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

Assumed inundation area for house collapses, etc. (flood overflow)

Areas where river levees may break or flood waters may cause wooden houses to collapse

Early Evacuation Zone

Landslide warning area (landslides on steep slopes)

Landslide special precaution zone (landslides on steep slopes)

Landslide disaster alert area (debris flow)

Special alert area for landslide disasters (debris flow)

Designated shelters and designated emergency shelters*
A place of refuge from danger in the event of a disaster or the possibility of a disaster.

Designated emergency shelters (open spaces)*

* For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

Facilities for those with special considerations*

Joyo City Hall

Police

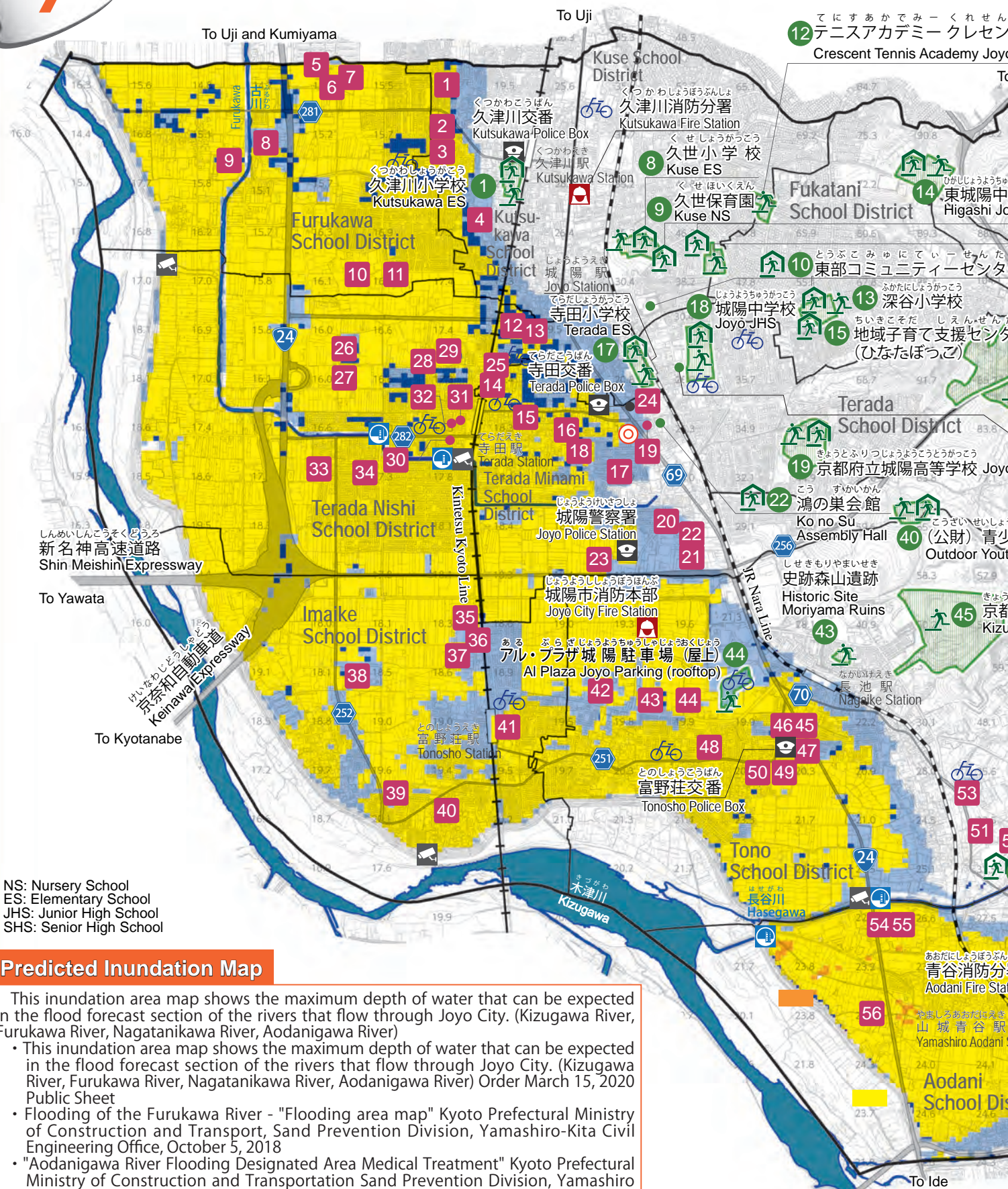
Fire Station

Water Level Observation Post

Disaster Prevention Camera

Bicycle shop

Hazard Map



Predicted Inundation Map

This inundation area map shows the maximum depth of water that can be expected in the flood forecast section of the rivers that flow through Jojo City. (Kizugawa River, Furukawa River, Nagatanikawa River, Aodanigawa River)

- This inundation area map shows the maximum depth of water that can be expected in the flood forecast section of the rivers that flow through Jojo City. (Kizugawa River, Furukawa River, Nagatanikawa River, Aodanigawa River) Order March 15, 2020 Public Sheet
- Flooding of the Furukawa River - "Flooding area map" Kyoto Prefectural Ministry of Construction and Transport, Sand Prevention Division, Yamashiro-Kita Civil Engineering Office, October 5, 2018
- "Aodanigawa River Flooding Designated Area Medical Treatment" Kyoto Prefectural Ministry of Construction and Transportation Sand Prevention Division, Yamashiro Kita Civil Engineering Office Order and October 4, 2019 Public Table
- "Hasegawa River Flooding Map" Sand Prevention Division, Ministry of Construction and Transportation, Kyoto Prefecture and the Yamashiro-Kita Civil Engineering Office on October 4, 2019.

This is a simulation of the inundation situation when all four rivers overflow due to flooding caused by the expected maximum rainfall, considering the condition of the river channels and flood control facilities of the four rivers (Kizugawa River, Furukawa River, Hasegawa River, and Aodani River) at a given point in time.

This simulation does not consider inundation due to the breakage of a tributary river, rainfall in excess of the rainfall that can be simulated, or inundation due to internal flooding.

(Duration of Flood)



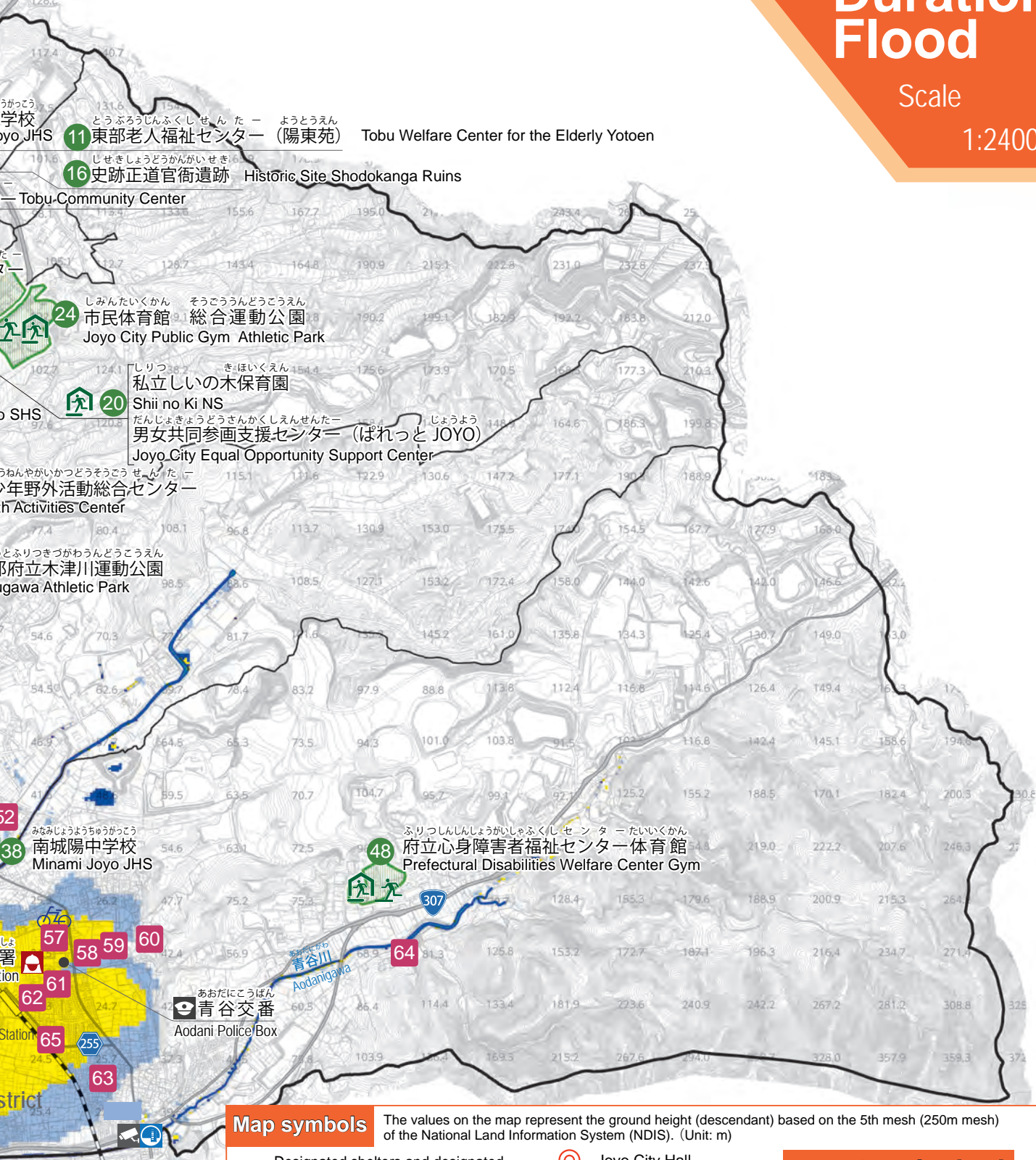
Duration of Flood

Scale

1:24000

とじょうようこう あきち
ト城陽校 (空地)
o (Vacant Lot)

o Uji



Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

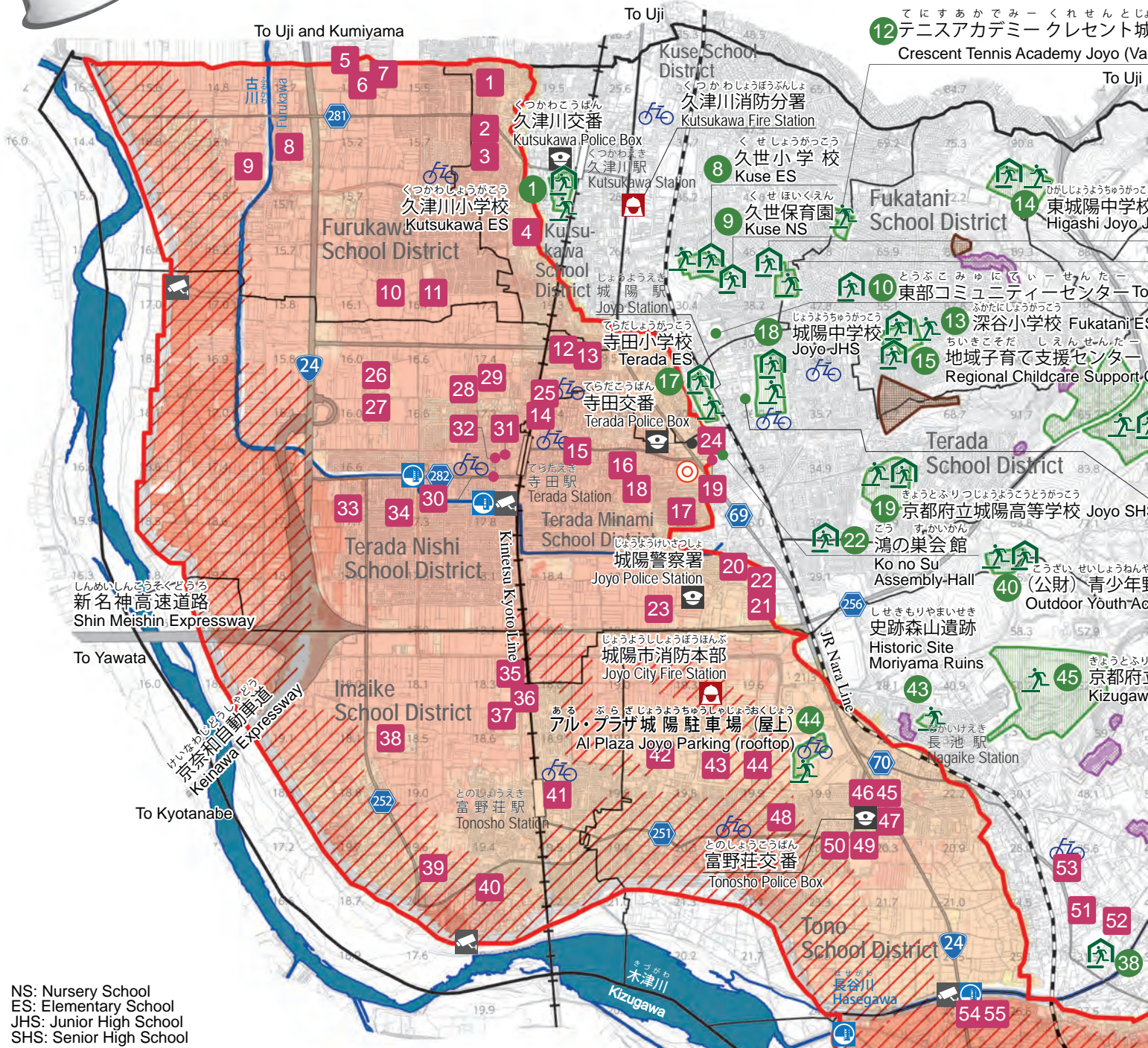
- Designated shelters and designated emergency shelters*
A place of refuge from danger in the event of a disaster or the possibility of a disaster.
- Designated emergency shelters (open spaces)*
- Facilities for those with special considerations*
- Joyo City Hall
- Police
- Fire Station
- Water Level Observation Post
- Disaster Prevention Camera
- Bicycle shop

* For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

Duration of a Flood
















The duration of a flood is when the depth of the flood becomes 50 cm or more.

- Less than 12 hours
- Less than 12 ~ 24 hours
- Less than 24 ~ 72 hours
- More than 72 hours



Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

-  Assumed inundation area for house collapses, etc. (flood overflow)
Areas where river levees may break or flood waters may cause wooden houses to collapse
-  Early Evacuation Zone
-  Landslide warning area (landslides on steep slopes)
-  Landslide special precaution zone (landslides on steep slopes)
-  Landslide disaster alert area (debris flow)
-  Special alert area for landslide disasters (debris flow)
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A place of refuge from danger in the event of a disaster or the possibility of a disaster.
-  Designated emergency shelters (open spaces)*
-  Facilities for those with special considerations*
-  Joze City Hall
-  Police
-  Fire Station
-  Water Level Observation Post
-  Disaster Prevention Camera
-  Bicycle shop

* For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

Map by River (Kizugawa River)

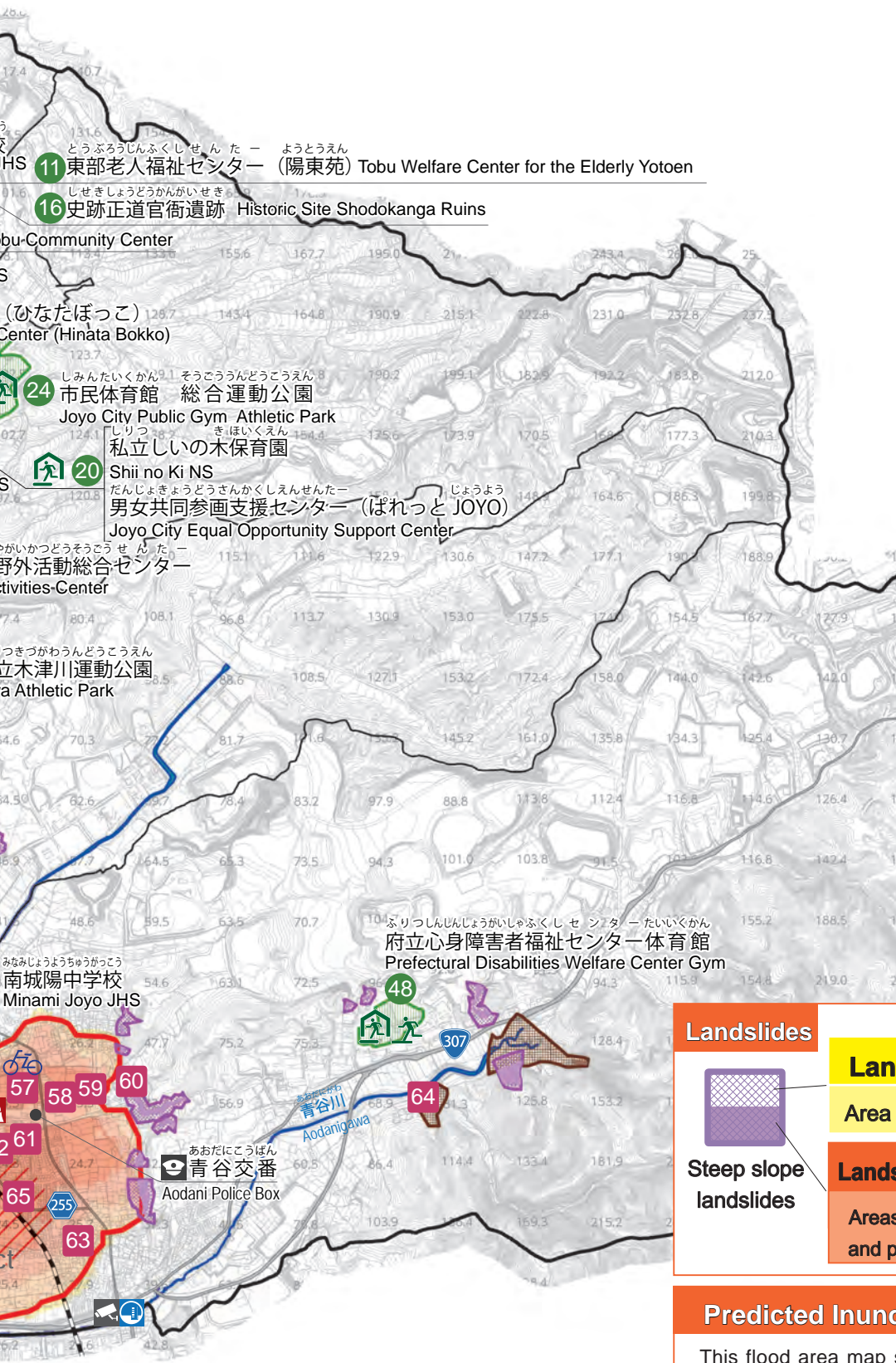


Kizugawa River

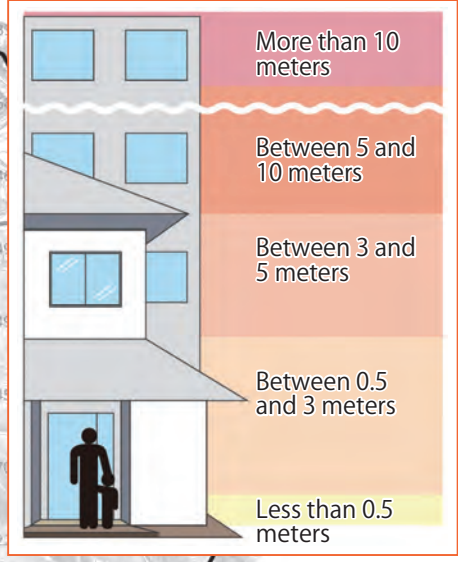
Scale

1:24000

ようようこう あきち
陽校 (空地)
Vacant Lot

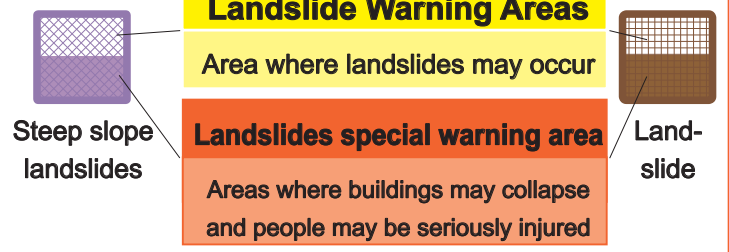


Expected depth of water and its criteria in case of flooding



Hazard Map

Landslides



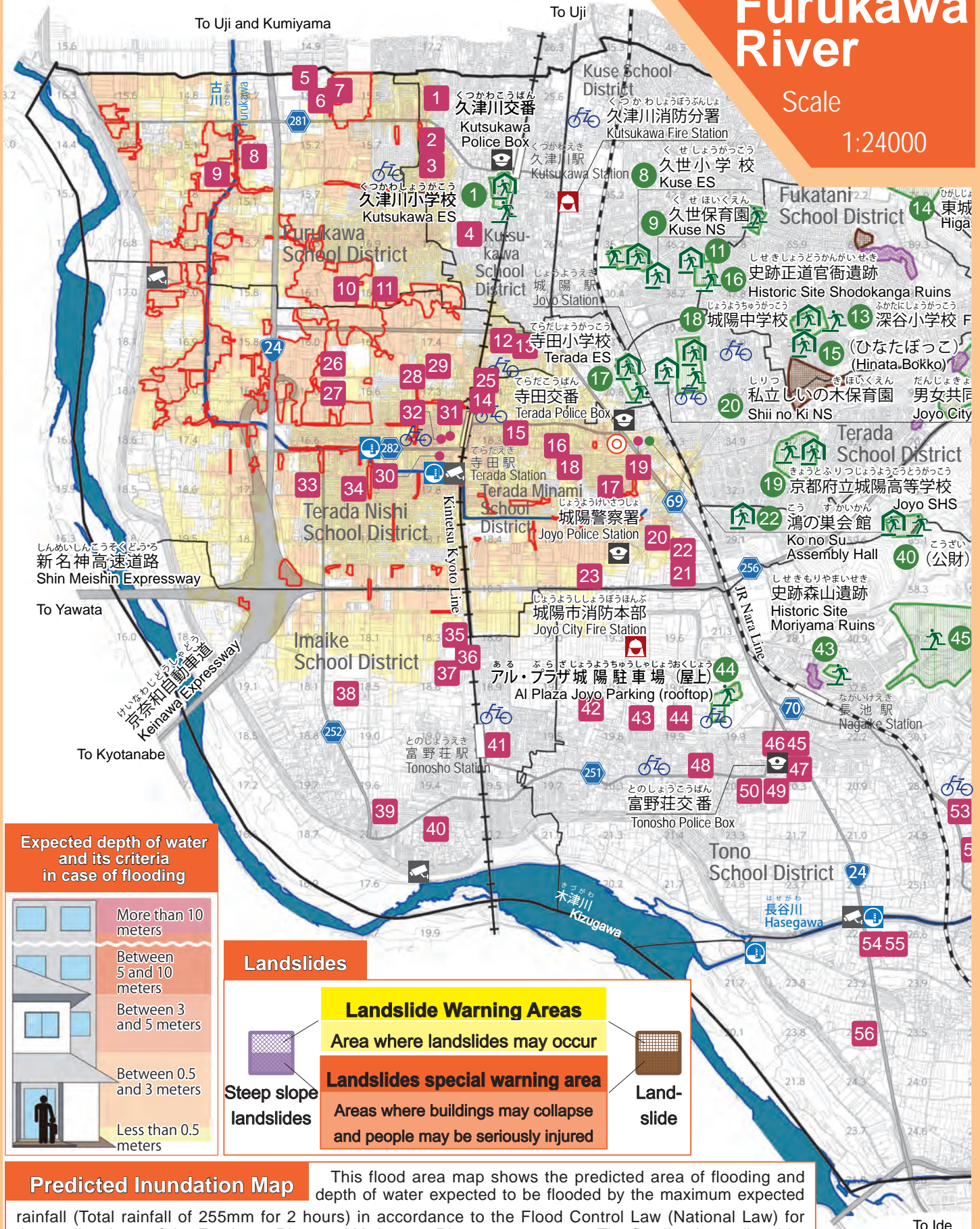
Predicted Inundation Map

This flood area map shows the predicted area of flooding and depth of water expected to be flooded by the maximum expected rainfall (Total rainfall of 358mm for 12 hours) in accordance to the Flood Control Law (National Law) for the predicted area of the Kizugawa River and Yodogawa River water systems. The flooding is predicted by simulation in the event that the Kizugawa River is flooded by the maximum expected rainfall, considering the river channel of the Kizugawa River and the condition of flood control facilities at the time of designation.

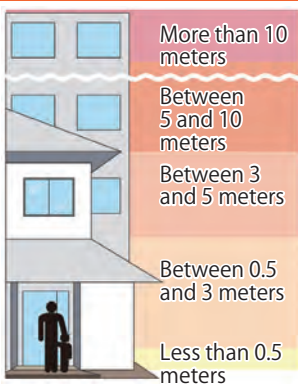


Furukawa River

Scale
1:24000



Expected depth of water and its criteria in case of flooding



Landslides

	Landslide Warning Areas	
	Area where landslides may occur	
	Landslides special warning area	
	Areas where buildings may collapse and people may be seriously injured	

Predicted Inundation Map

This flood area map shows the predicted area of flooding and depth of water expected to be flooded by the maximum expected rainfall (Total rainfall of 255mm for 2 hours) in accordance to the Flood Control Law (National Law) for the predicted are of the Furukawa River and Yodogawa River water systems. The flooding is predicted by simulation in the event that the Furukawa River is flooded by the maximum expected rainfall, considering the river channel of the Furukawa River and the condition of flood control facilities at the time of designation.

Hazard Map Floods and Landslides by River (Aodanigawa River)



てにすあかでみーくれせんとしょうようこう あきち
 12 テニスイアカデミー クレセント城陽校 (空地)
 Crescent Tennis Academy Jojo (Vacant Lot)

Aodanigawa River

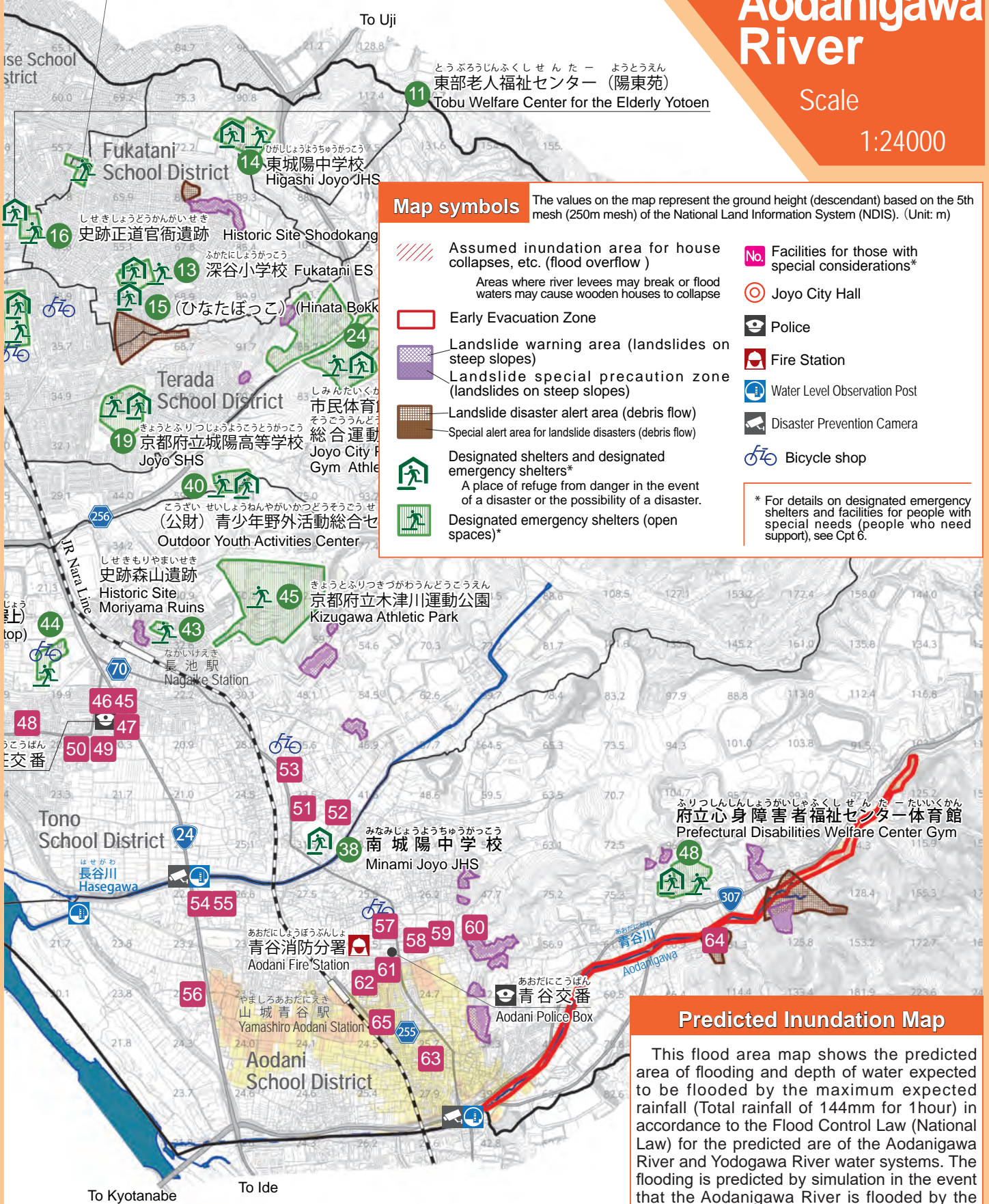
Scale

1:24000

Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

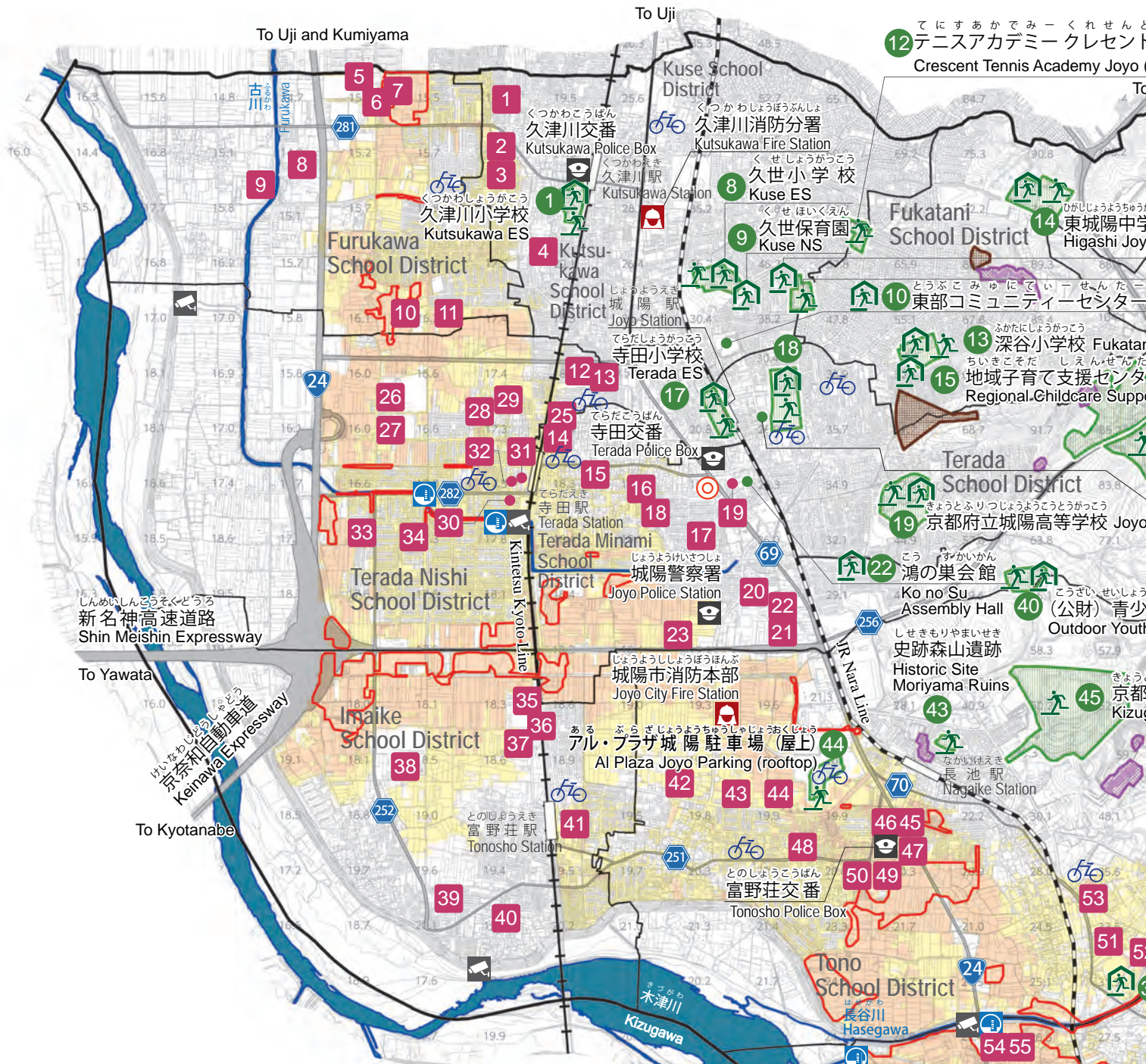
- Assumed inundation area for house collapses, etc. (flood overflow)
Areas where river levees may break or flood waters may cause wooden houses to collapse
 - Early Evacuation Zone
 - Landslide warning area (landslides on steep slopes)
 - Landslide special precaution zone (landslides on steep slopes)
 - Landslide disaster alert area (debris flow)
 - Special alert area for landslide disasters (debris flow)
 - Designated shelters and designated emergency shelters*
A place of refuge from danger in the event of a disaster or the possibility of a disaster.
 - Designated emergency shelters (open spaces)*
 - Facilities for those with special considerations*
 - Jojo City Hall
 - Police
 - Fire Station
 - Water Level Observation Post
 - Disaster Prevention Camera
 - Bicycle shop
- * For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.



Predicted Inundation Map
















This flood area map shows the predicted area of flooding and depth of water expected to be flooded by the maximum expected rainfall (Total rainfall of 144mm for 1 hour) in accordance to the Flood Control Law (National Law) for the predicted are of the Aodanigawa River and Yodogawa River water systems. The flooding is predicted by simulation in the event that the Aodanigawa River is flooded by the maximum expected rainfall, considering the river channel of the Aodanigawa River and the condition of flood control facilities at the time of designation.

NS: Nursery School
 ES: Elementary School
 JHS: Junior High School
 SHS: Senior High School



Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

-  Assumed inundation area for house collapses, etc. (flood overflow)
Areas where river levees may break or flood waters may cause wooden houses to collapse
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-  Special alert area for landslide disasters (debris flow)
-  Designated shelters and designated emergency shelters*
A place of refuge from danger in the event of a disaster or the possibility of a disaster.
-  Designated emergency shelters (open spaces)*
-  Facilities for those with special considerations*
-  Joze City Hall
-  Police
-  Fire Station
-  Water Level Observation Post
-  Disaster Prevention Camera
-  Bicycle shop

* For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

NS: Nursery School
ES: Elementary School
JHS: Junior High School
SHS: Senior High School

Map by River (Hasegawa River)



Hasegawa River

Scale

1:24000

じょうようこう あきち
城陽校 (空地)
(Vacant Lot)

Uji

11 東部老人福祉センター (陽東苑) Tobu Welfare Center for the Elderly Yotoen
16 史跡正道官衙遺跡 Historic Site Shodokanga Ruins
Tobu Community Center

24 市民体育館 総合運動公園
Joyo City Public Gym Athletic Park

20 私立しいの木保育園
Shii no Ki NS
男女共同参画支援センター (はれっと JOYO)
Joyo City Equal Opportunity Support Center

年野外活動総合センター
Activities Center

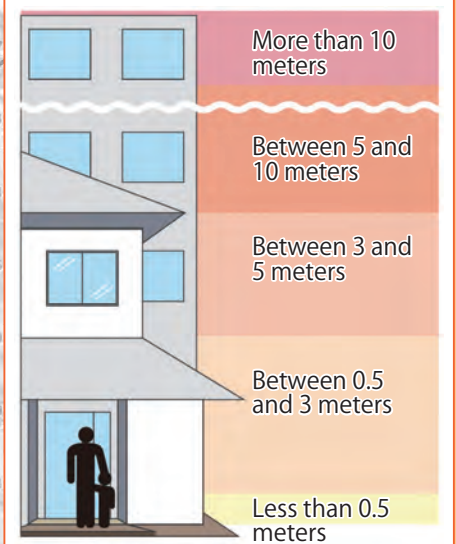
府立木津川運動公園
Joyo City Athletic Park

48 府立心身障害者福祉センター体育館
Prefectural Disabilities Welfare Center Gym

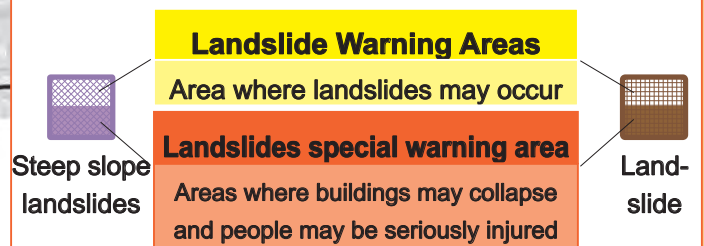
38 南城陽中学校
Minami Jojo JHS

あおだにこうばん
青谷交番
Aodani Police Box

Expected depth of water and its criteria in case of flooding



Landslides

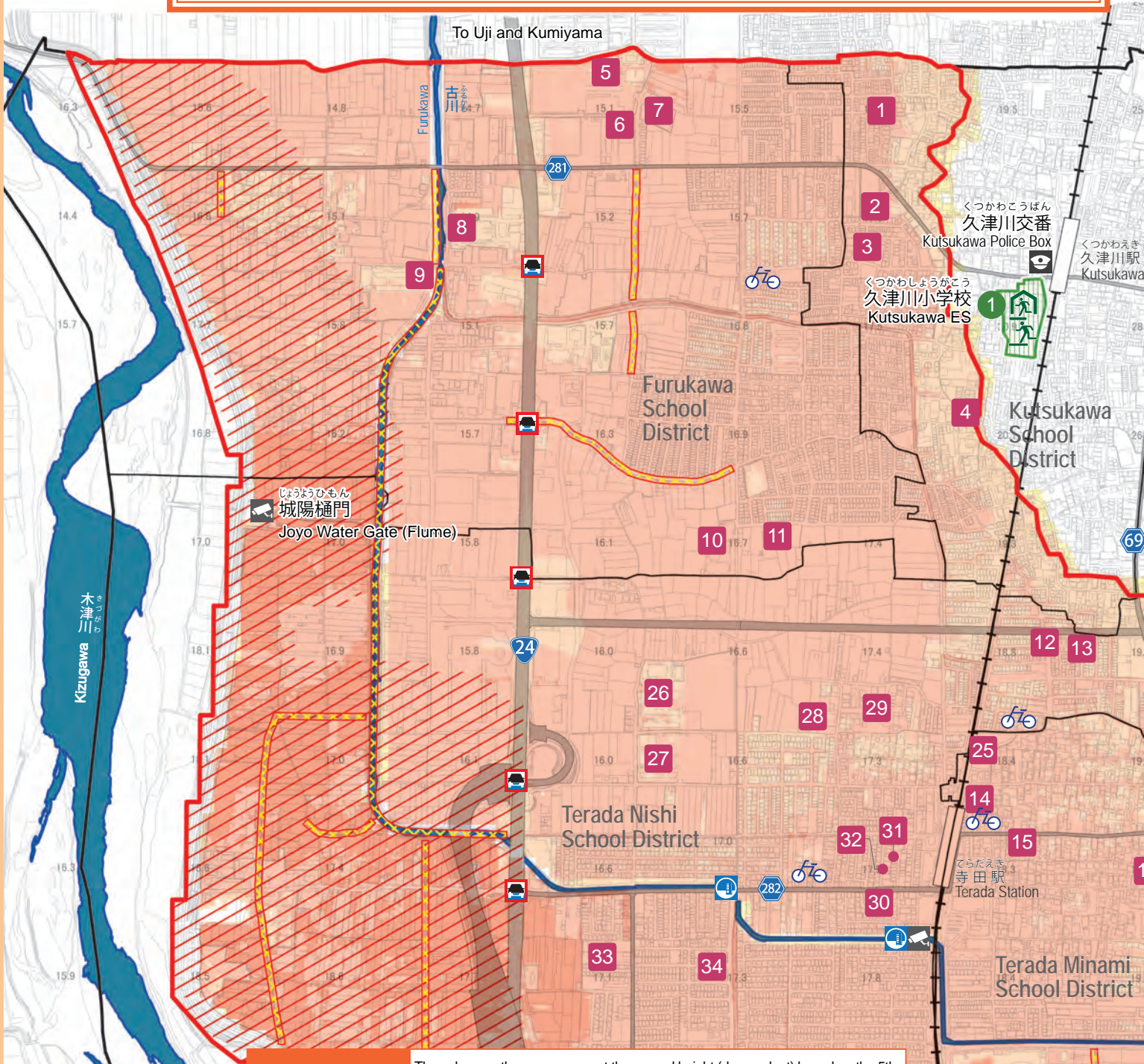


Predicted Inundation Map

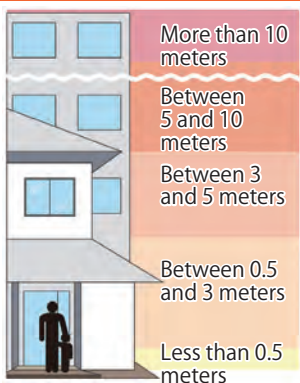
This flood area map shows the predicted area of flooding and depth of water expected to be flooded by the maximum expected rainfall (Total rainfall of 140mm for 1 hour) in accordance to the Flood Control Law (National Law) for the predicted area of the Hasegawa River and Yodogawa River water systems. The flooding is predicted by simulation in the event that the Hasegawa River is flooded by the maximum expected rainfall, considering the river channel of the Hasegawa River and the condition of flood control facilities at the time of designation.

Hazard Map: Flooding and Landslide

If you are not in an early evacuation zone or landslide warning zone, please cooperate with evacuation support, such as accepting evacuation of relatives and acquaintances.



Expected depth of water and its criteria in case of flooding



Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)





- Assumed inundation area for house collapses, etc. (flood overflow)
Areas where river levees may break or flood waters may cause wooden houses to collapse
- Early Evacuation Zone
- Landslide warning area (landslides on steep slopes)
- Landslide special precaution zone (landslides on steep slopes)
- Landslide disaster alert area (debris flow)
- Special alert area for landslide disasters (debris flow)
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A place of refuge from danger in the event of a disaster or the possibility of a disaster.
- Designated emergency shelters (open spaces)*
- Facilities for those with special considerations*
- Jojo City Hall
- Police
- Fire Station
- Water Level Observation Post
- Disaster Prevention Camera
- Dangerous Places (Underpasses)
- Dangerous Places (such as rivers, canals, etc. without fencing or railing)
- Bicycle shop

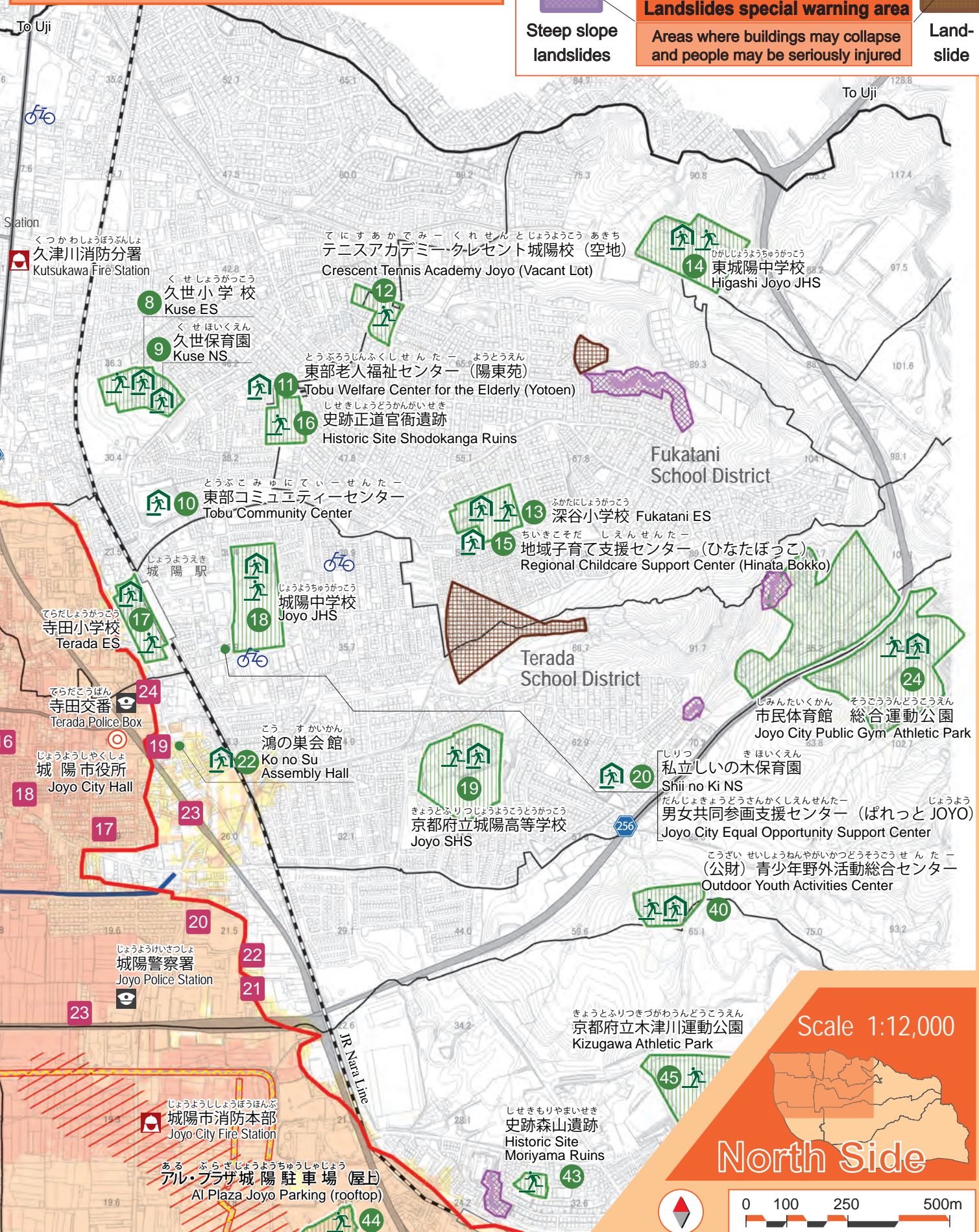
* For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

ides by Area (North Side)

Since Kuse school district is not an evacuation zone for flooding and landslides, a hazard map has not been created for this school district.

Landslides

	Landslide Warning Areas Area where landslides may occur	
	Landslides special warning area Areas where buildings may collapse and people may be seriously injured	



Scale 1:12,000

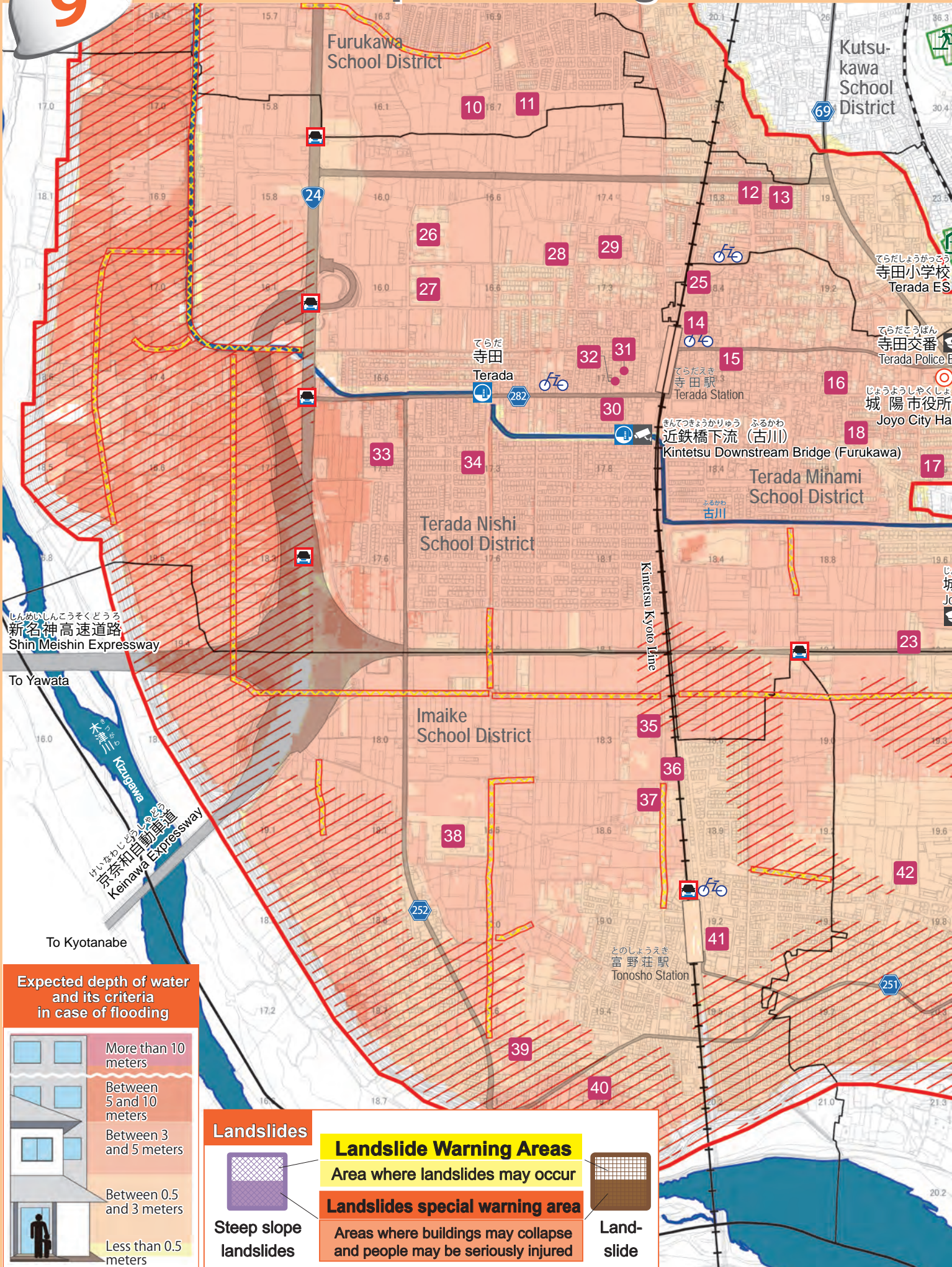


North Side



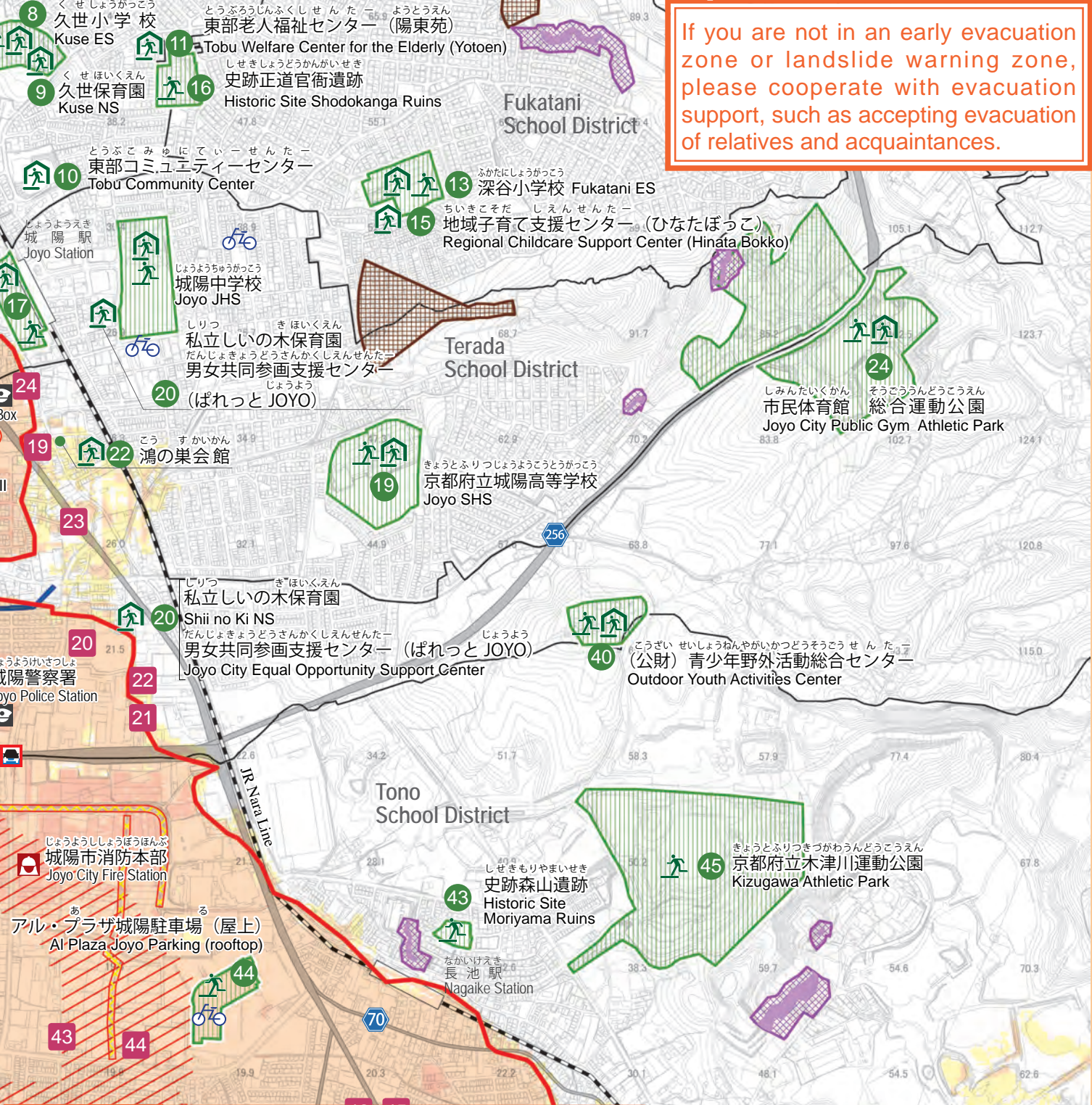
Hazard Map

Hazard Map: Flooding and Landslide



Routes by Area (Central Area)

If you are not in an early evacuation zone or landslide warning zone, please cooperate with evacuation support, such as accepting evacuation of relatives and acquaintances.



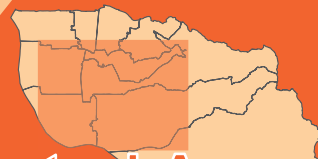
Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

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- Designated emergency shelters (open spaces)*
- Facilities for those with special considerations*
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- Fire Station
- Water Level Observation Post
- Disaster Prevention Camera
- Dangerous Places (Underpasses)
- Dangerous Places (such as rivers, canals, etc. without fencing or railing)
- Bicycle shop

* For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

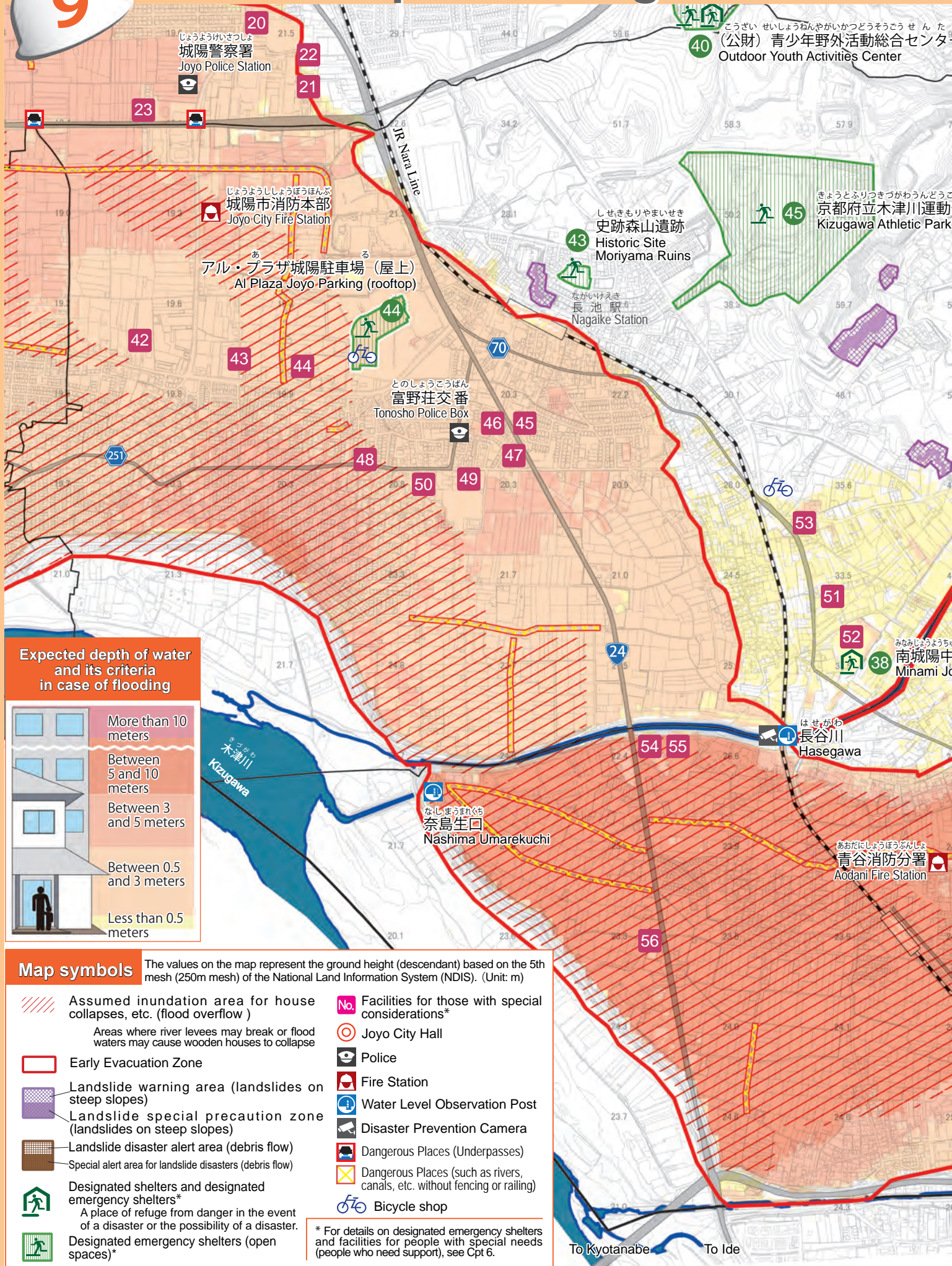
Scale 1:12,000



Central Area



Hazard Map: Flooding and Landslides



Expected depth of water and its criteria in case of flooding

	More than 10 meters
	Between 5 and 10 meters
	Between 3 and 5 meters
	Between 0.5 and 3 meters
	Less than 0.5 meters

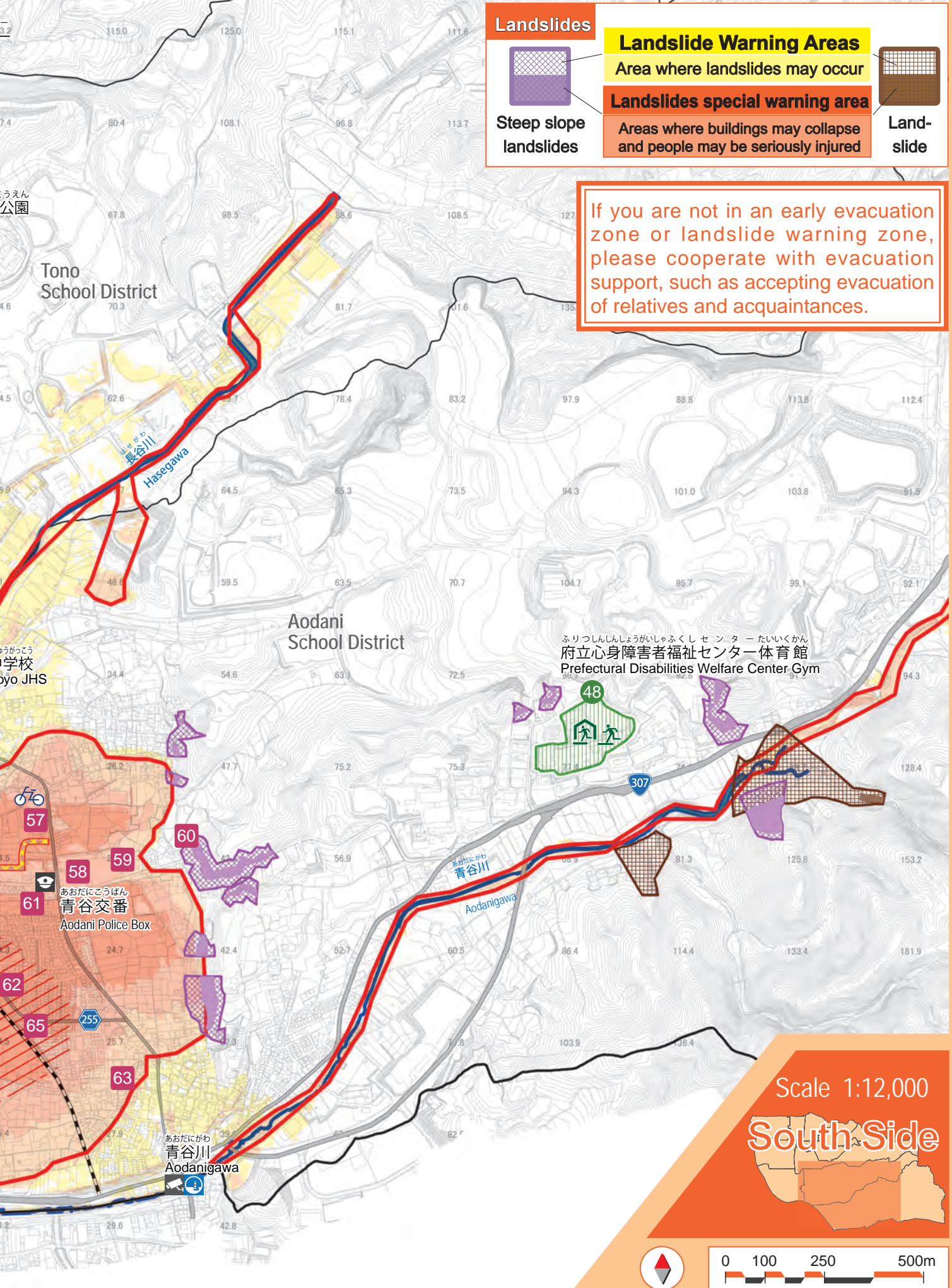
Map symbols

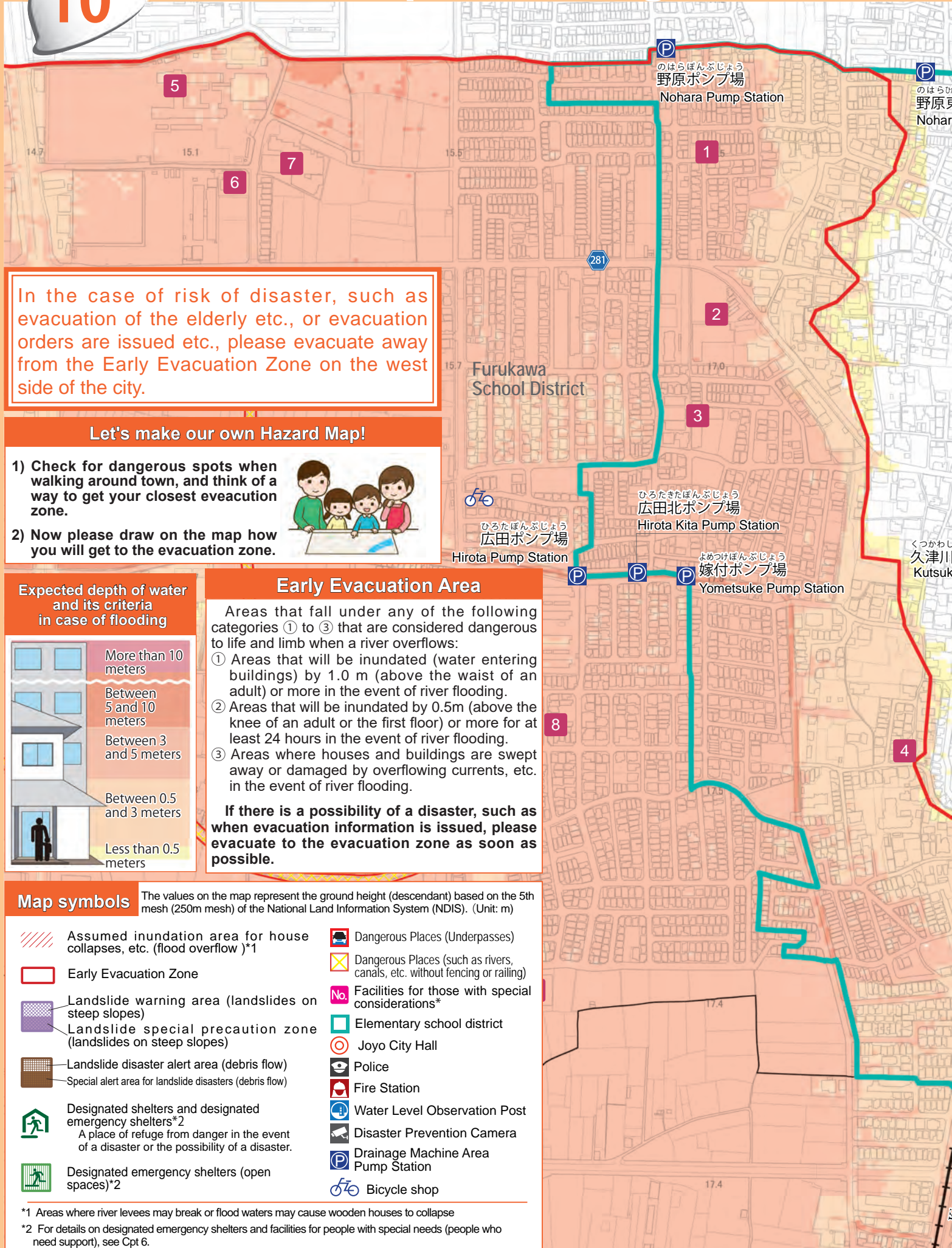
The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

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- Designated emergency shelters (open spaces)*
- Facilities for those with special considerations*
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 - Police
 - Fire Station
 - Water Level Observation Post
 - Disaster Prevention Camera
 - Dangerous Places (Underpasses)
 - Dangerous Places (such as rivers, canals, etc. without fencing or railing)
 - Bicycle shop

* For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

Roads by Area (South Side)





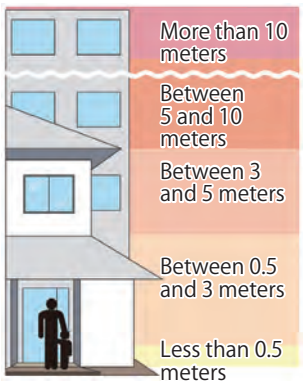
In the case of risk of disaster, such as evacuation of the elderly etc., or evacuation orders are issued etc., please evacuate away from the Early Evacuation Zone on the west side of the city.

Let's make our own Hazard Map!

- 1) Check for dangerous spots when walking around town, and think of a way to get your closest evacuation zone.
- 2) Now please draw on the map how you will get to the evacuation zone.



Expected depth of water and its criteria in case of flooding



Early Evacuation Area

Areas that fall under any of the following categories ① to ③ that are considered dangerous to life and limb when a river overflows:

- ① Areas that will be inundated (water entering buildings) by 1.0 m (above the waist of an adult) or more in the event of river flooding.
- ② Areas that will be inundated by 0.5m (above the knee of an adult or the first floor) or more for at least 24 hours in the event of river flooding.
- ③ Areas where houses and buildings are swept away or damaged by overflowing currents, etc. in the event of river flooding.

If there is a possibility of a disaster, such as when evacuation information is issued, please evacuate to the evacuation zone as soon as possible.

Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

- Assumed inundation area for house collapses, etc. (flood overflow)*1
- Early Evacuation Zone
- Landslide warning area (landslides on steep slopes)
- Landslide special precaution zone (landslides on steep slopes)
- Landslide disaster alert area (debris flow)
- Special alert area for landslide disasters (debris flow)
- Designated shelters and designated emergency shelters*2
A place of refuge from danger in the event of a disaster or the possibility of a disaster.
- Designated emergency shelters (open spaces)*2
- Dangerous Places (Underpasses)
- Dangerous Places (such as rivers, canals, etc. without fencing or railing)
- Facilities for those with special considerations*
- Elementary school district
- Joyo City Hall
- Police
- Fire Station
- Water Level Observation Post
- Disaster Prevention Camera
- Drainage Machine Area Pump Station
- Bicycle shop

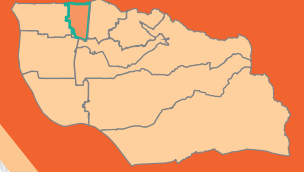
*1 Areas where river levees may break or flood waters may cause wooden houses to collapse

*2 For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

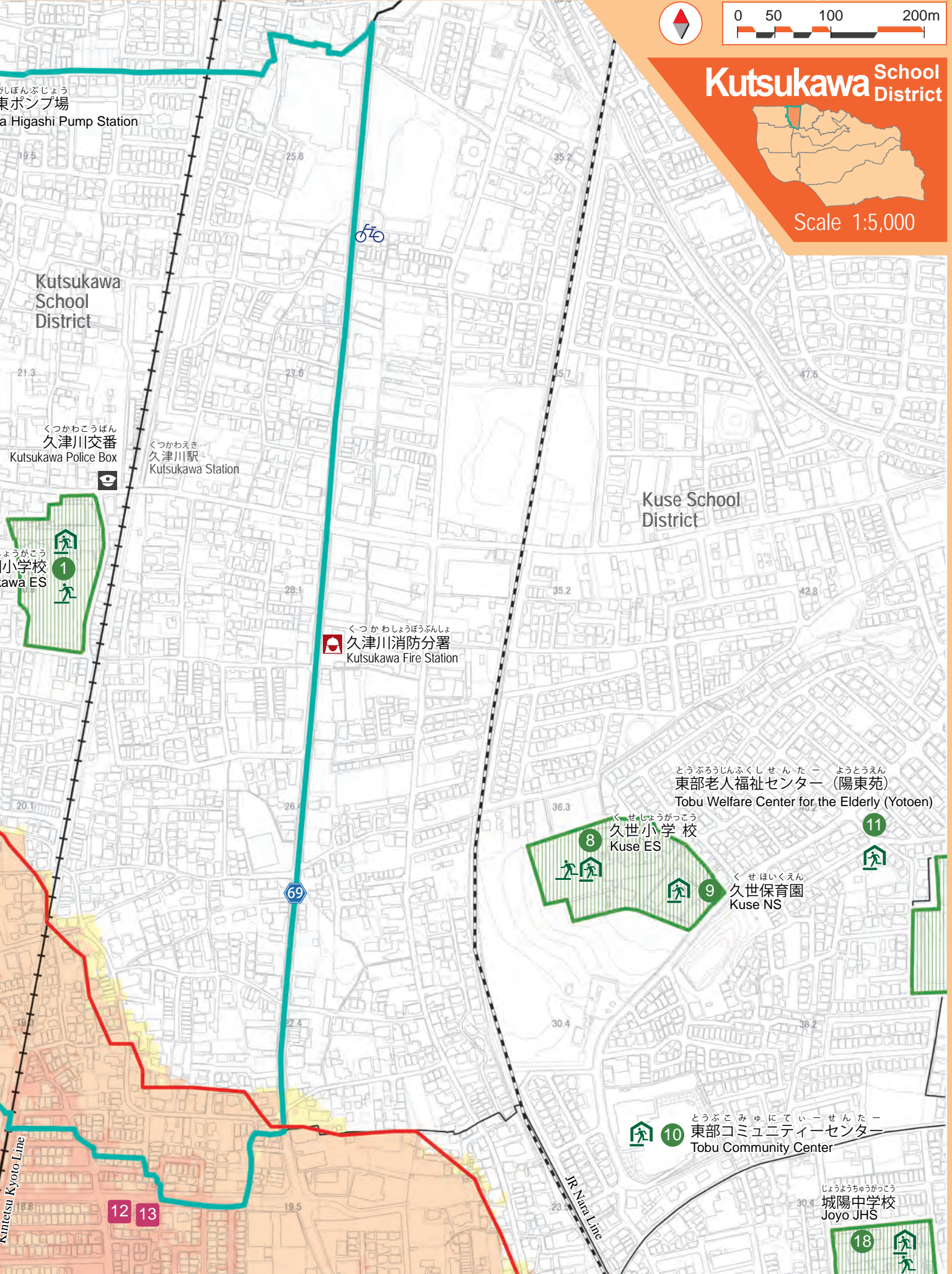
ides by School District (Kutsukawa)



Kutsukawa School District



Scale 1:5,000





Hazard Map: Flooding and Landsli

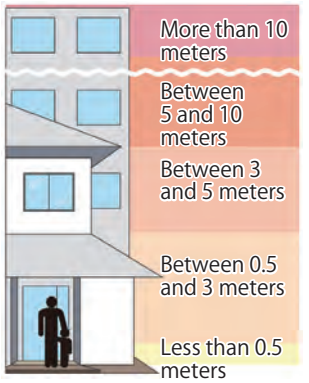
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Let's make our own Hazard Map!

- 1) Check for dangerous spots when walking around town, and think of a way to get your closest evacuation zone.
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Expected depth of water and its criteria in case of flooding



Early Evacuation Area

Areas that fall under any of the following categories ① to ③ that are considered dangerous to life and limb when a river overflows:

- ① Areas that will be inundated (water entering buildings) by 1.0 m (above the waist of an adult) or more in the event of river flooding.
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- ③ Areas where houses and buildings are swept away or damaged by overflowing currents, etc. in the event of river flooding.

If there is a possibility of a disaster, such as when evacuation information is issued, please evacuate to the evacuation zone as soon as possible.

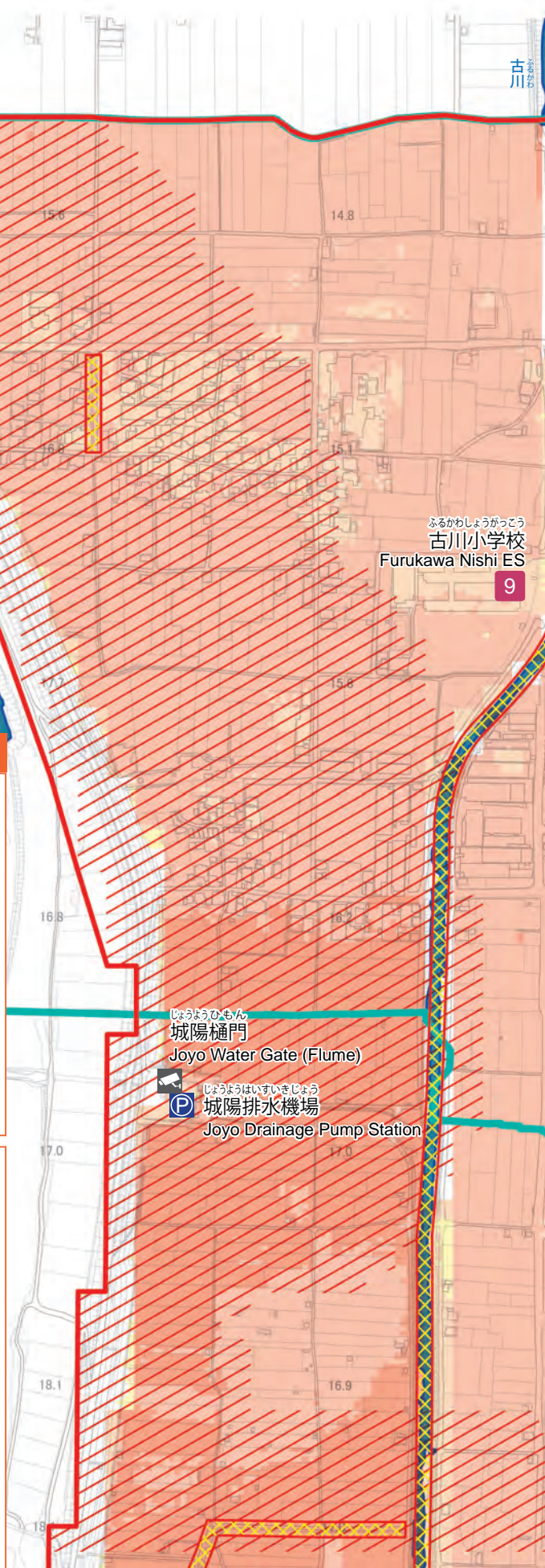
Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

- Assumed inundation area for house collapses, etc. (flood overflow)*1
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A place of refuge from danger in the event of a disaster or the possibility of a disaster.
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- Joyo City Hall
- Police
- Fire Station
- Water Level Observation Post
- Disaster Prevention Camera
- Drainage Machine Area Pump Station
- Bicycle shop

*1 Areas where river levees may break or flood waters may cause wooden houses to collapse

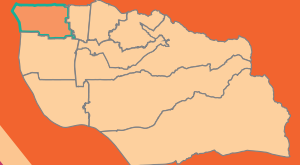
*2 For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.



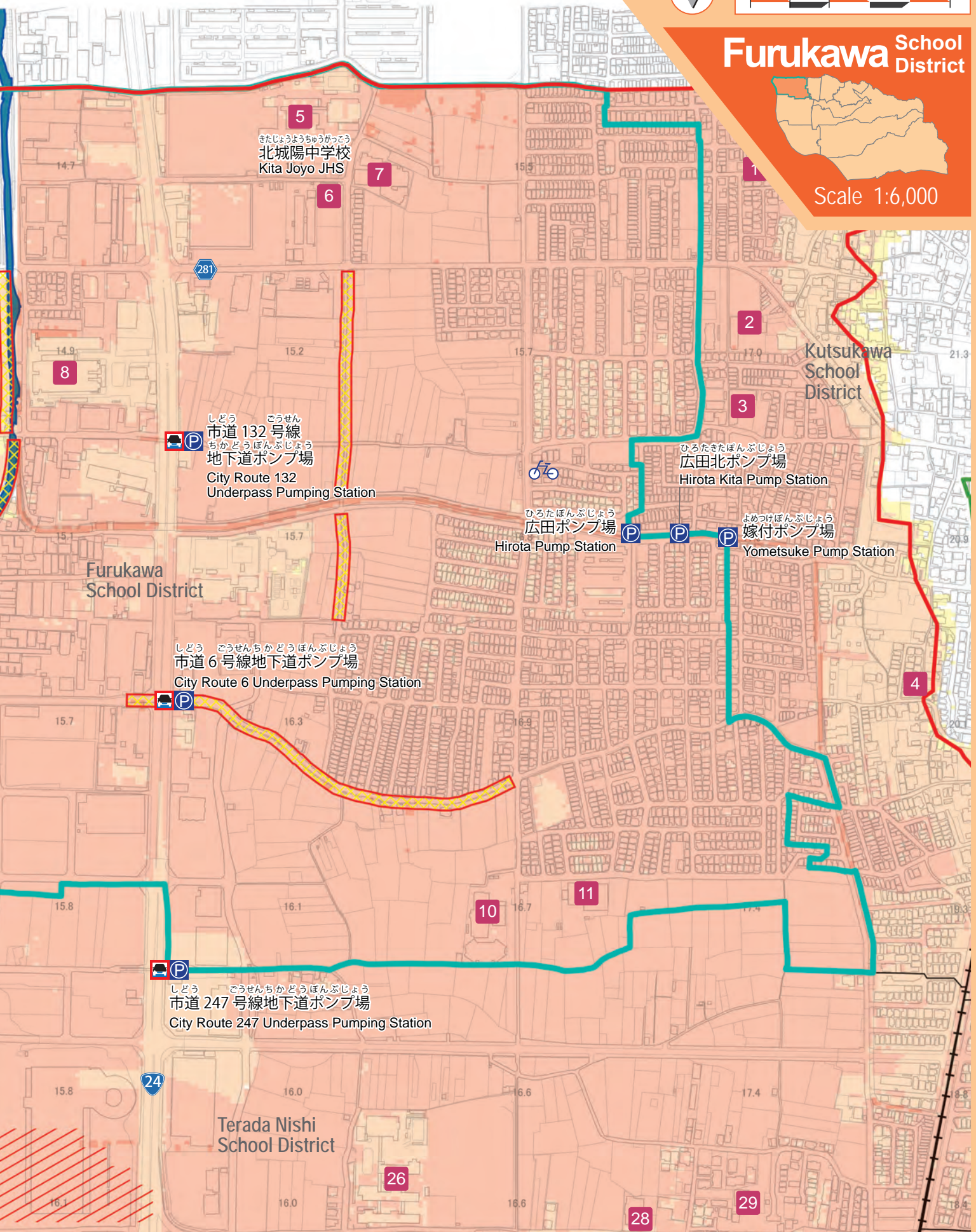
des by School District (Furukawa)



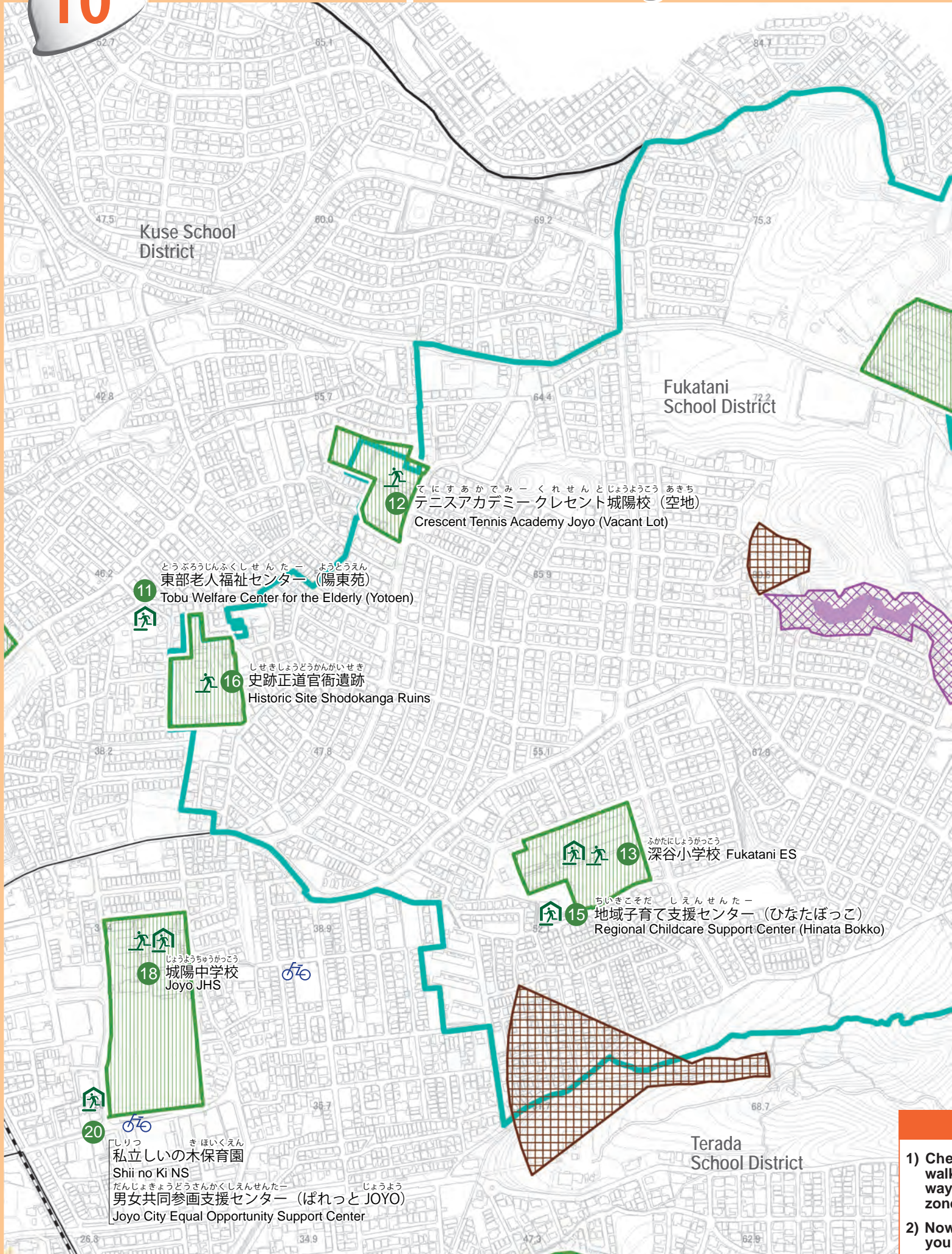
Furukawa School District



Scale 1:6,000



Hazard Map

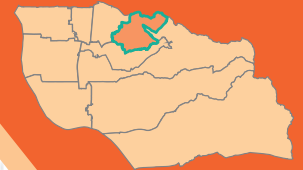


- 1) Che...
- 2) Now...

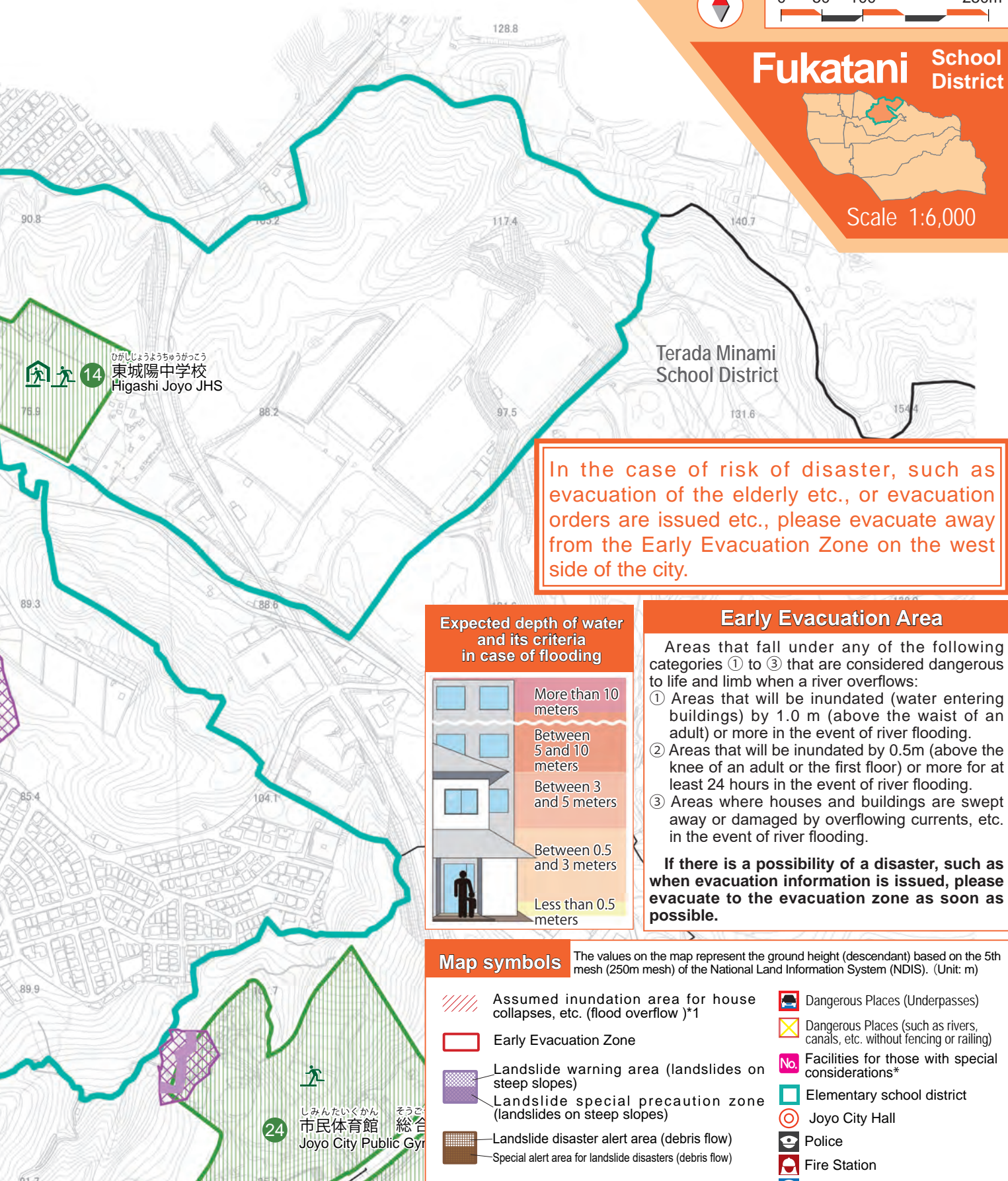
Codes by School District (Fukatani)



Fukatani School District

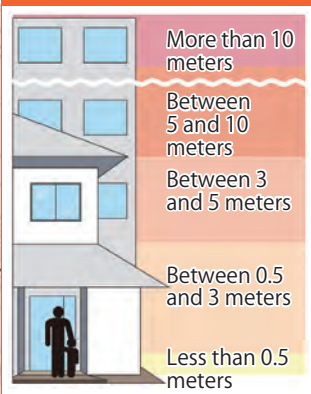


Scale 1:6,000



In the case of risk of disaster, such as evacuation of the elderly etc., or evacuation orders are issued etc., please evacuate away from the Early Evacuation Zone on the west side of the city.

Expected depth of water and its criteria in case of flooding



Early Evacuation Area

Areas that fall under any of the following categories ① to ③ that are considered dangerous to life and limb when a river overflows:

- ① Areas that will be inundated (water entering buildings) by 1.0 m (above the waist of an adult) or more in the event of river flooding.
- ② Areas that will be inundated by 0.5m (above the knee of an adult or the first floor) or more for at least 24 hours in the event of river flooding.
- ③ Areas where houses and buildings are swept away or damaged by overflowing currents, etc. in the event of river flooding.

If there is a possibility of a disaster, such as when evacuation information is issued, please evacuate to the evacuation zone as soon as possible.

Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

- Assumed inundation area for house collapses, etc. (flood overflow)*1
- Early Evacuation Zone
- Landslide warning area (landslides on steep slopes)
- Landslide special precaution zone (landslides on steep slopes)
- Landslide disaster alert area (debris flow)
- Special alert area for landslide disasters (debris flow)
- Designated shelters and designated emergency shelters*2
A place of refuge from danger in the event of a disaster or the possibility of a disaster.
- Designated emergency shelters (open spaces)*2
- Dangerous Places (Underpasses)
- Dangerous Places (such as rivers, canals, etc. without fencing or railing)
- Facilities for those with special considerations*
- Elementary school district
- Jojo City Hall
- Police
- Fire Station
- Water Level Observation Post
- Disaster Prevention Camera
- Drainage Machine Area Pump Station
- Bicycle shop

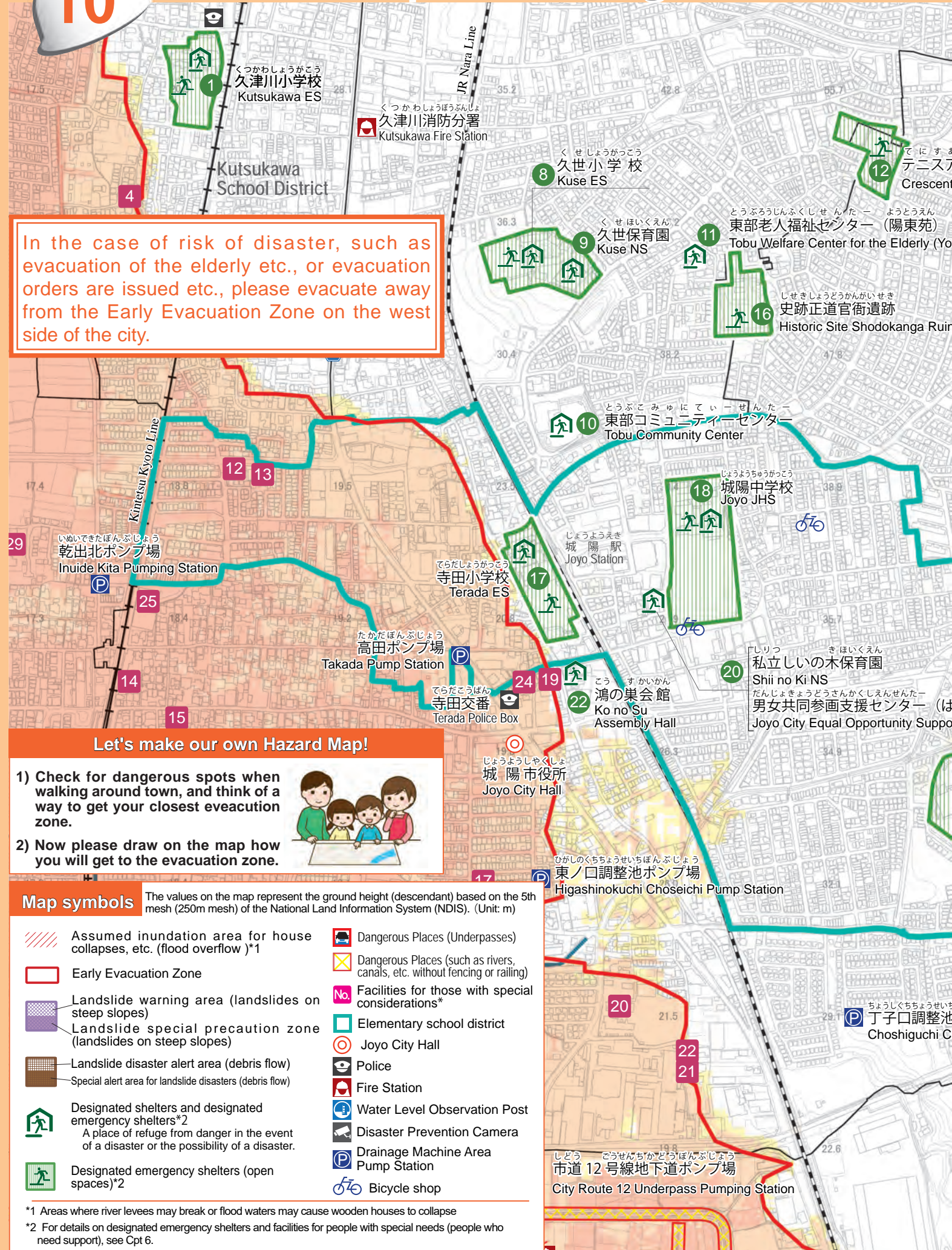
Let's make our own Hazard Map!

Check for dangerous spots when walking around town, and think of a way to get your closest evacuation zone.
Please draw on the map how you will get to the evacuation zone.



*1 Areas where river levees may break or flood waters may cause wooden houses to collapse
*2 For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

In the case of risk of disaster, such as evacuation of the elderly etc., or evacuation orders are issued etc., please evacuate away from the Early Evacuation Zone on the west side of the city.



Let's make our own Hazard Map!

- 1) Check for dangerous spots when walking around town, and think of a way to get your closest evacuation zone.
- 2) Now please draw on the map how you will get to the evacuation zone.



Map symbols

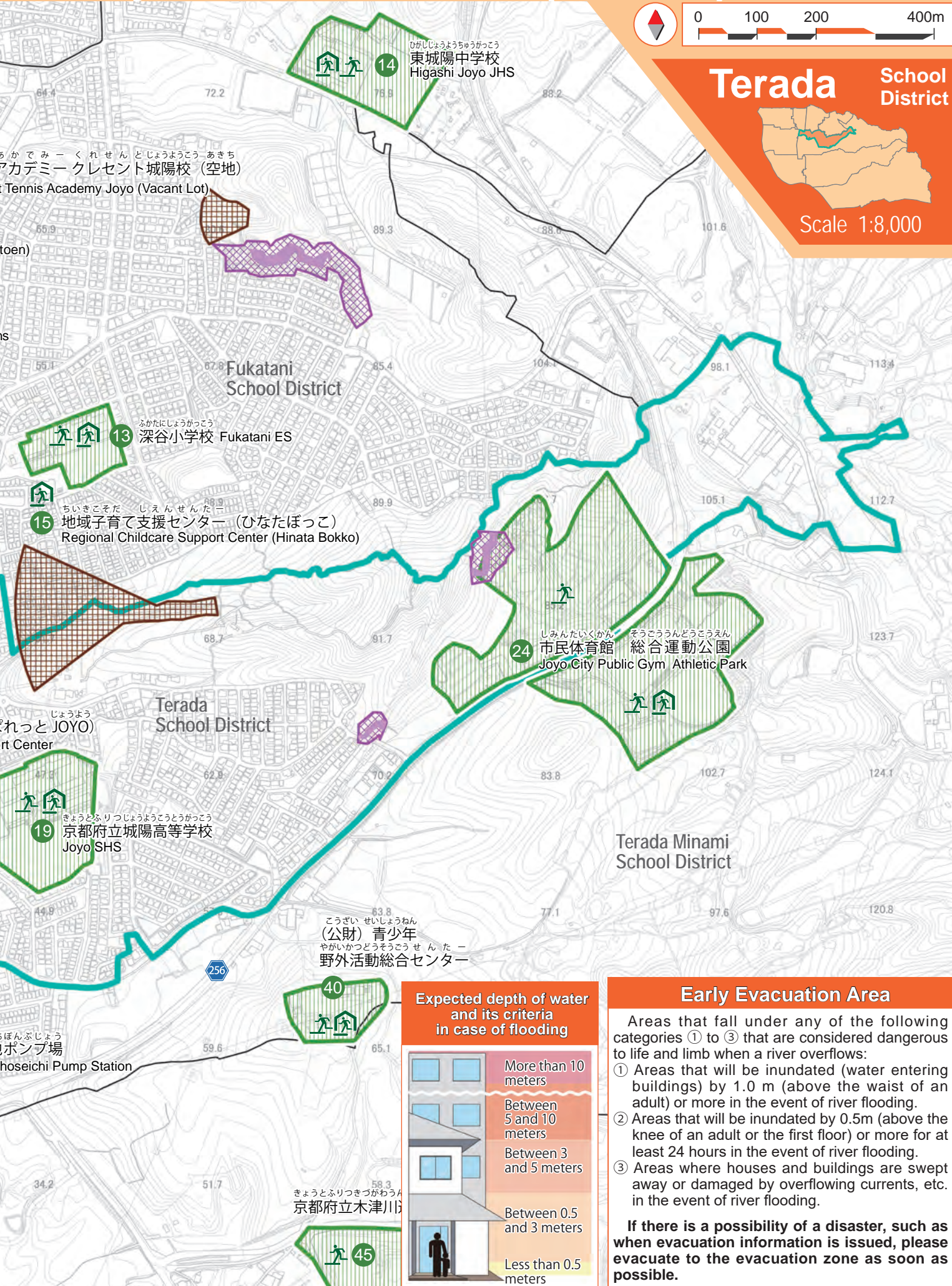
The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

- | | | | |
|--|--|--|--|
| | Assumed inundation area for house collapses, etc. (flood overflow)*1 | | Dangerous Places (Underpasses) |
| | Early Evacuation Zone | | Dangerous Places (such as rivers, canals, etc. without fencing or railing) |
| | Landslide warning area (landslides on steep slopes) | | Facilities for those with special considerations* |
| | Landslide special precaution zone (landslides on steep slopes) | | Elementary school district |
| | Landslide disaster alert area (debris flow) | | Joyo City Hall |
| | Special alert area for landslide disasters (debris flow) | | Police |
| | Designated shelters and designated emergency shelters*2 | | Fire Station |
| | A place of refuge from danger in the event of a disaster or the possibility of a disaster. | | Water Level Observation Post |
| | Designated emergency shelters (open spaces)*2 | | Disaster Prevention Camera |
| | | | Drainage Machine Area Pump Station |
| | | | Bicycle shop |

*1 Areas where river levees may break or flood waters may cause wooden houses to collapse

*2 For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

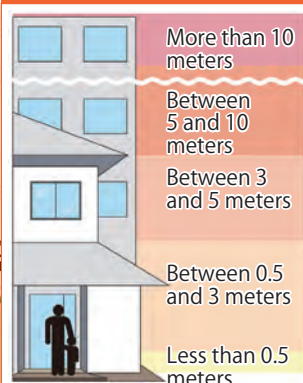
ides by School District (Terada)



Terada School District

Scale 1:8,000

Expected depth of water and its criteria in case of flooding



Early Evacuation Area

- Areas that fall under any of the following categories ① to ③ that are considered dangerous to life and limb when a river overflows:
- ① Areas that will be inundated (water entering buildings) by 1.0 m (above the waist of an adult) or more in the event of river flooding.
 - ② Areas that will be inundated by 0.5m (above the knee of an adult or the first floor) or more for at least 24 hours in the event of river flooding.
 - ③ Areas where houses and buildings are swept away or damaged by overflowing currents, etc. in the event of river flooding.

If there is a possibility of a disaster, such as when evacuation information is issued, please evacuate to the evacuation zone as soon as possible.

Map symbols

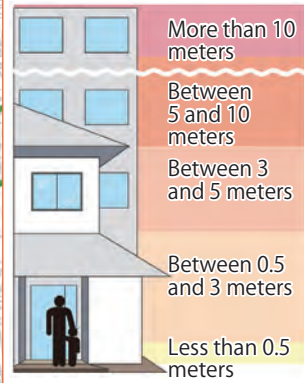
The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

- Assumed inundation area for house collapses, etc. (flood overflow)*1
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A place of refuge from danger in the event of a disaster or the possibility of a disaster.
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- Dangerous Places (such as rivers, canals, etc. without fencing or railing)
- Facilities for those with special considerations*
- Elementary school district
- Joyo City Hall
- Police
- Fire Station
- Water Level Observation Post
- Disaster Prevention Camera
- Drainage Machine Area Pump Station
- Bicycle shop

*1 Areas where river levees may break or flood waters may cause wooden houses to collapse

*2 For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

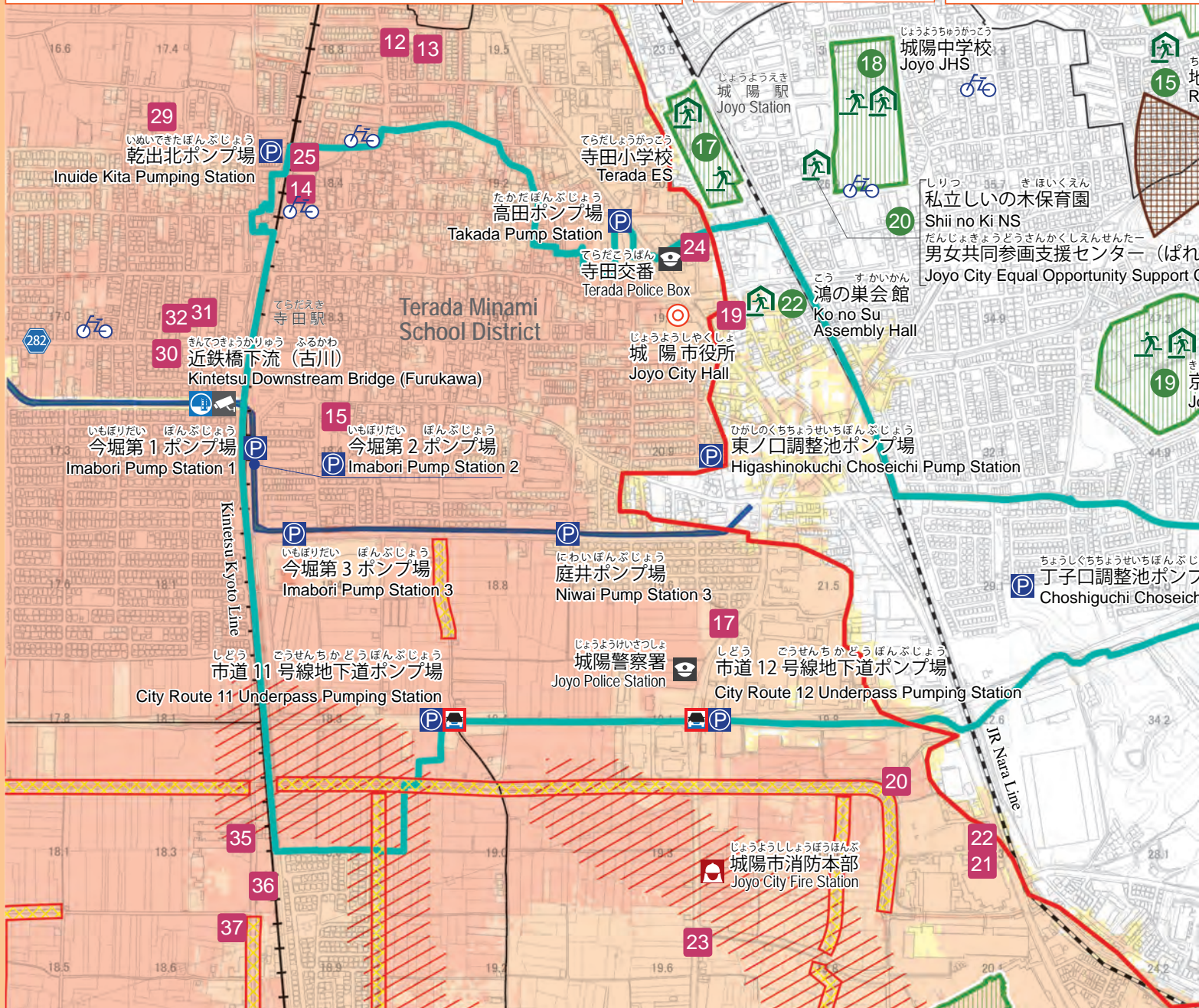
Expected depth of water and its criteria in case of flooding



Early Evacuation

- Areas that fall under any of the following categories ① to ③ that are considered to be in danger to life and limb when a river overflows:
- ① Areas that will be inundated to the top of buildings by 1.0 m (about the height of an adult) or more in the event of a river overflow
 - ② Areas that will be inundated to the knee of an adult or the first floor of a building in the event of a river overflow at least 24 hours in the event of a river overflow
 - ③ Areas where houses and buildings are likely to be washed away or damaged by overflow in the event of river flooding

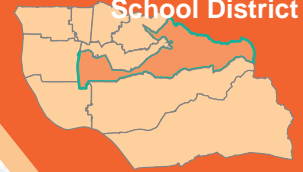
If there is a possibility of a river overflow, please evacuate to the evacuation shelter as early as possible.



Zones by School District (Terada Minami)



Terada Minami School District

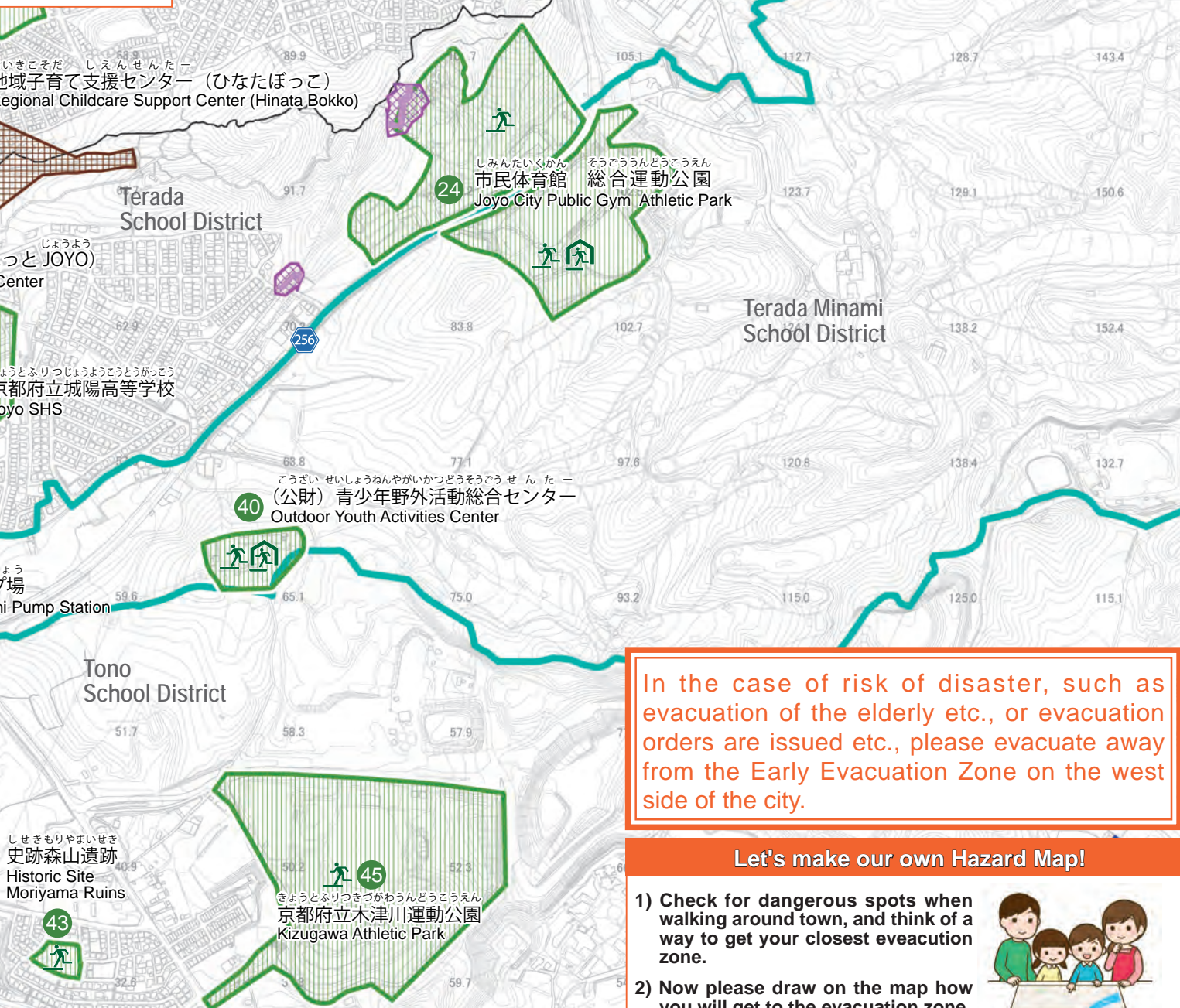


Scale 1:10,000

Evacuation Area

Any of the following is considered dangerous due to river flooding:
 - Areas where water enters above the waist of an average person.
 - Areas where water enters by 0.5m (above the floor) or more for at least 1 hour.
 - Areas where buildings are swept away by strong currents, etc.

In the case of a disaster, such as an earthquake, please evacuate from the zone as soon as possible.



In the case of risk of disaster, such as evacuation of the elderly etc., or evacuation orders are issued etc., please evacuate away from the Early Evacuation Zone on the west side of the city.

Let's make our own Hazard Map!

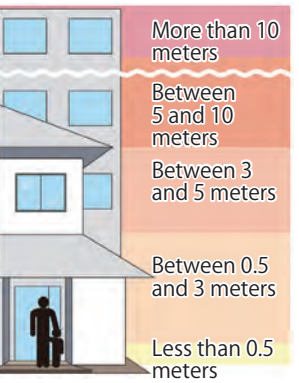
- 1) Check for dangerous spots when walking around town, and think of a way to get your closest evacuation zone.
- 2) Now please draw on the map how you will get to the evacuation zone.



In the case of risk of disaster, such as evacuation of the elderly etc., or evacuation orders are issued etc., please evacuate away from the Early Evacuation Zone on the west side of the city.



Expected depth of water and its criteria in case of flooding



Early Evacuation Area

Areas that fall under any of the following categories ① to ③ that are considered dangerous to life and limb when a river overflows:

- ① Areas that will be inundated (water entering buildings) by 1.0 m (above the waist of an adult) or more in the event of river flooding.
- ② Areas that will be inundated by 0.5m (above the knee of an adult or the first floor) or more for at least 24 hours in the event of river flooding.
- ③ Areas where houses and buildings are swept away or damaged by overflowing currents, etc. in the event of river flooding.

If there is a possibility of a disaster, such as when evacuation information is issued, please evacuate to the evacuation zone as soon as possible.

Let's make our own Hazard Map!

- 1) Check for dangerous spots when walking around town, and think of a way to get your closest evacuation zone.
- 2) Now please draw on the map how you will get to the evacuation zone.



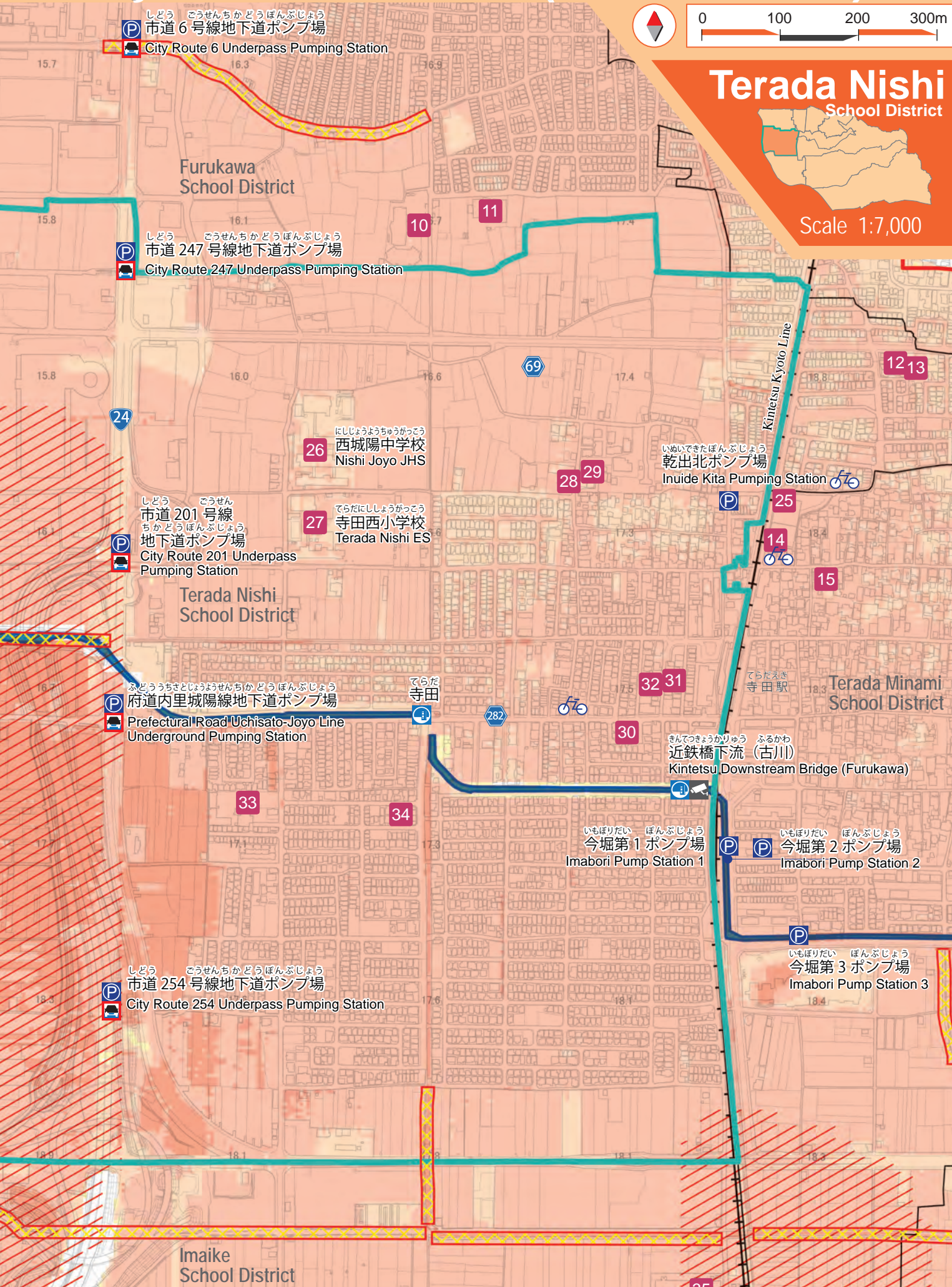
Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

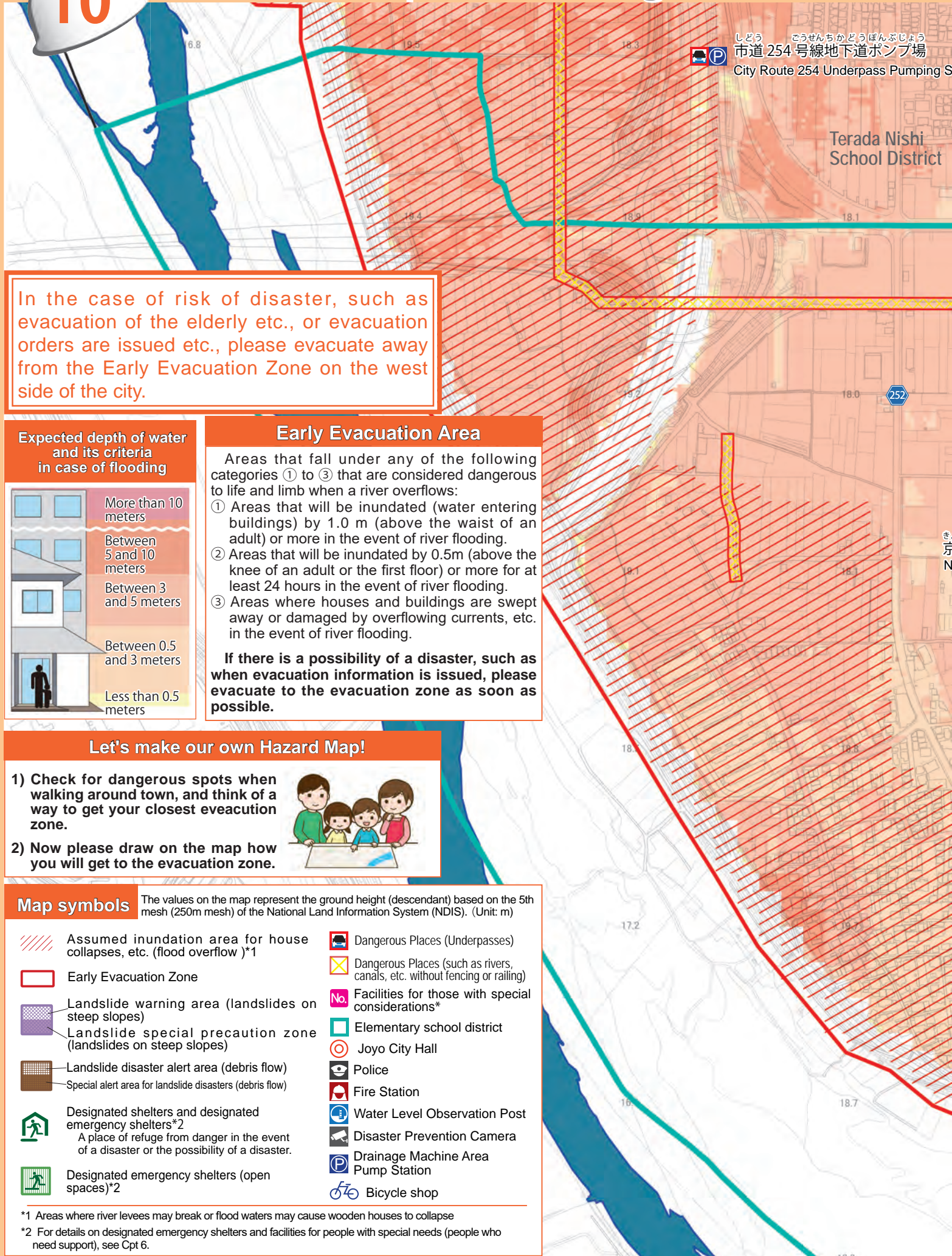
- Assumed inundation area for house collapses, etc. (flood overflow)*1
- Early Evacuation Zone
- Landslide warning area (landslides on steep slopes)
- Landslide special precaution zone (landslides on steep slopes)
- Landslide disaster alert area (debris flow)
- Special alert area for landslide disasters (debris flow)
- Designated shelters and designated emergency shelters*2
A place of refuge from danger in the event of a disaster or the possibility of a disaster.
- Designated emergency shelters (open spaces)*2
- Dangerous Places (Underpasses)
- Dangerous Places (such as rivers, canals, etc. without fencing or railing)
- Facilities for those with special considerations*
- Elementary school district
- Joyo City Hall
- Police
- Fire Station
- Water Level Observation Post
- Disaster Prevention Camera
- Drainage Machine Area Pump Station
- Bicycle shop

*1 Areas where river levees may break or flood waters may cause wooden houses to collapse
*2 For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

ides by School District (Terada Nishi)



Hazard Map



しどろ とうせんちかどうほんぶじょう
 市道 254 号線地下道ポンプ場
 City Route 254 Underpass Pumping S

Terada Nishi
 School District

In the case of risk of disaster, such as evacuation of the elderly etc., or evacuation orders are issued etc., please evacuate away from the Early Evacuation Zone on the west side of the city.

Expected depth of water and its criteria in case of flooding

	More than 10 meters
	Between 5 and 10 meters
	Between 3 and 5 meters
	Between 0.5 and 3 meters
	Less than 0.5 meters

Early Evacuation Area

Areas that fall under any of the following categories ① to ③ that are considered dangerous to life and limb when a river overflows:

- ① Areas that will be inundated (water entering buildings) by 1.0 m (above the waist of an adult) or more in the event of river flooding.
- ② Areas that will be inundated by 0.5m (above the knee of an adult or the first floor) or more for at least 24 hours in the event of river flooding.
- ③ Areas where houses and buildings are swept away or damaged by overflowing currents, etc. in the event of river flooding.

If there is a possibility of a disaster, such as when evacuation information is issued, please evacuate to the evacuation zone as soon as possible.

Let's make our own Hazard Map!

- 1) Check for dangerous spots when walking around town, and think of a way to get your closest evacuation zone.
 - 2) Now please draw on the map how you will get to the evacuation zone.
-

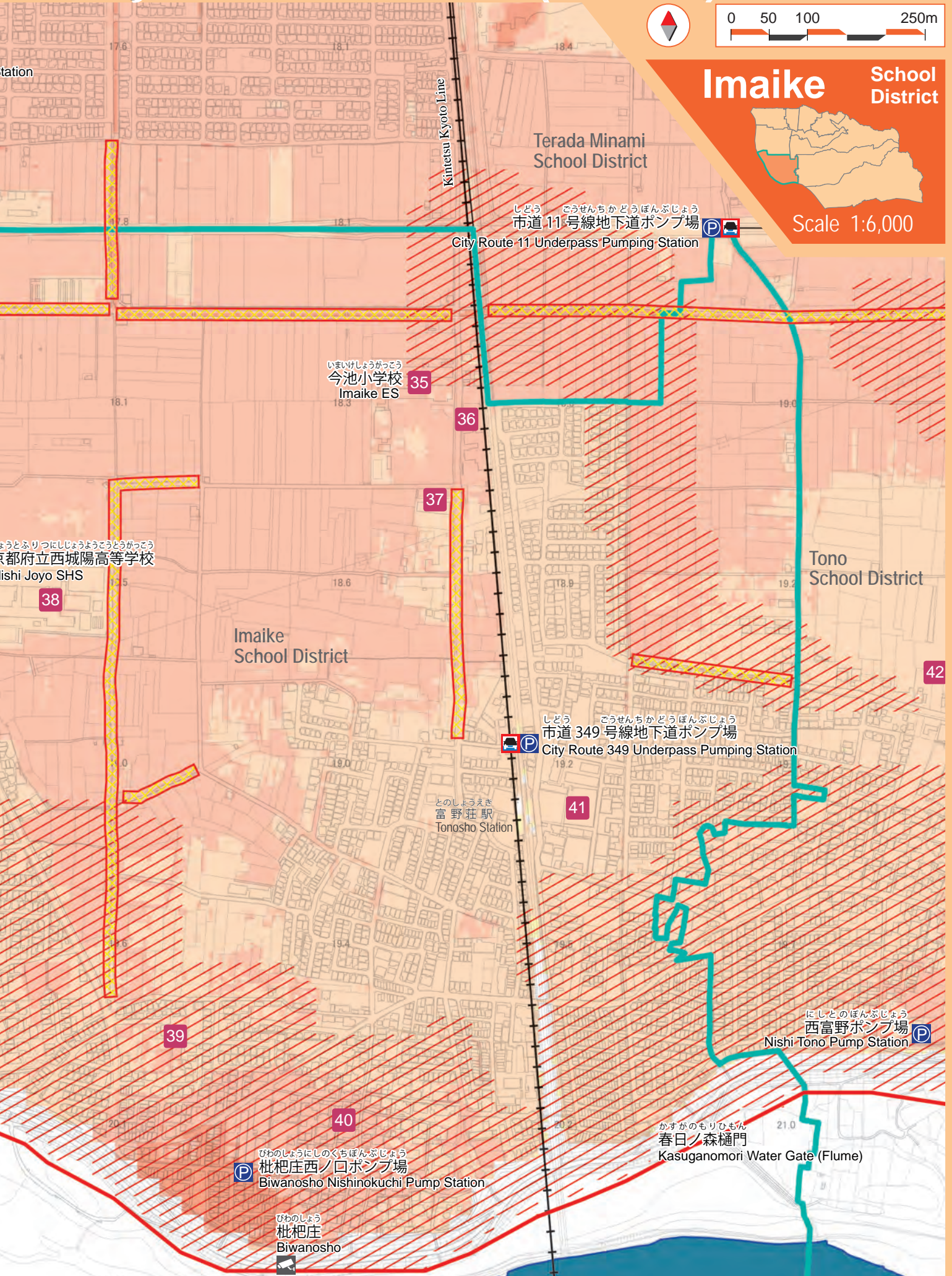
Map symbols

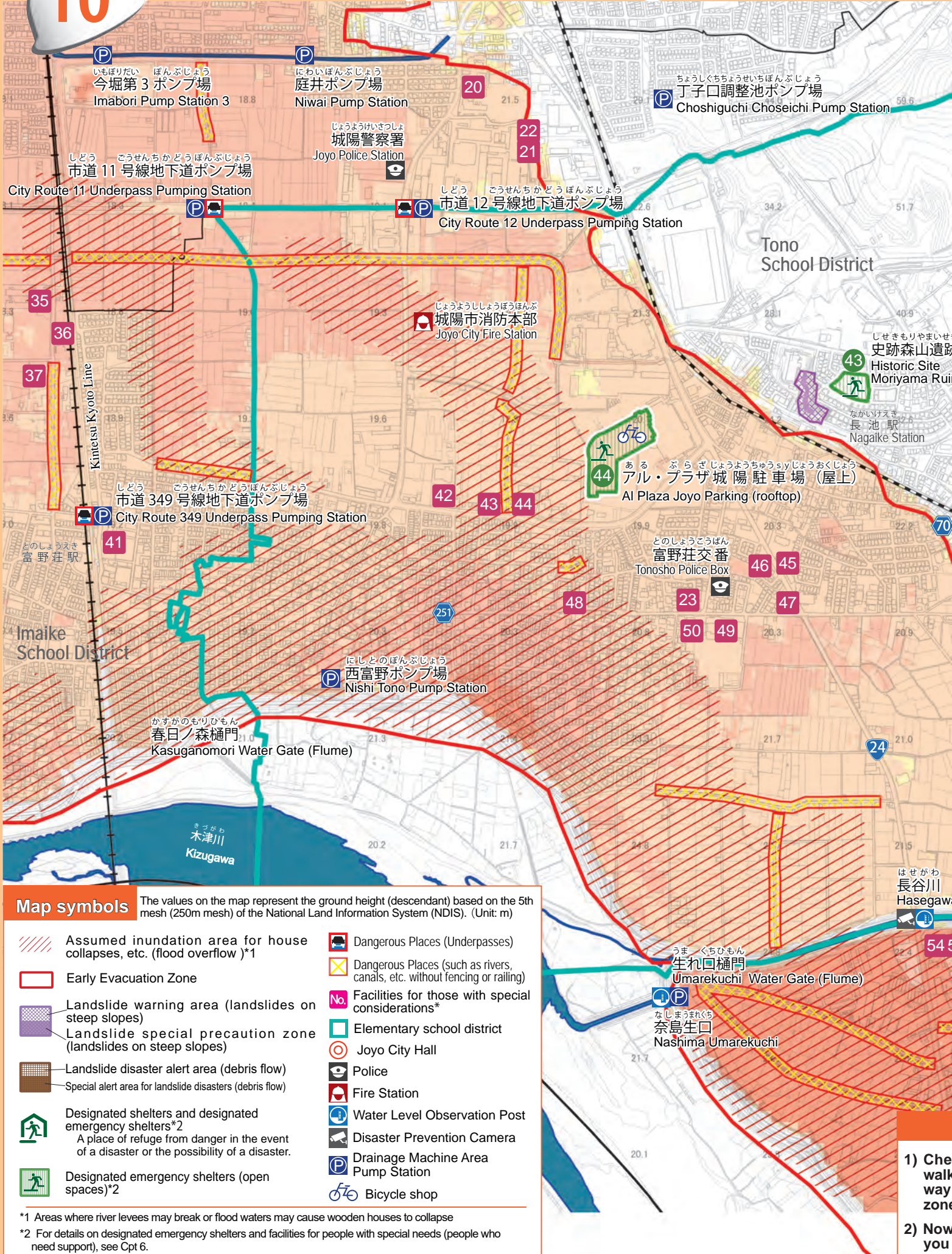
The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

	Assumed inundation area for house collapses, etc. (flood overflow)*1		Dangerous Places (Underpasses)
	Early Evacuation Zone		Dangerous Places (such as rivers, canals, etc. without fencing or railing)
	Landslide warning area (landslides on steep slopes)		Facilities for those with special considerations*
	Landslide special precaution zone (landslides on steep slopes)		Elementary school district
	Landslide disaster alert area (debris flow)		Joyo City Hall
	Special alert area for landslide disasters (debris flow)		Police
	Designated shelters and designated emergency shelters*2 A place of refuge from danger in the event of a disaster or the possibility of a disaster.		Fire Station
	Designated emergency shelters (open spaces)*2		Water Level Observation Post
			Disaster Prevention Camera
			Drainage Machine Area Pump Station
			Bicycle shop

*1 Areas where river levees may break or flood waters may cause wooden houses to collapse
 *2 For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

ides by School District (Imaike)





Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

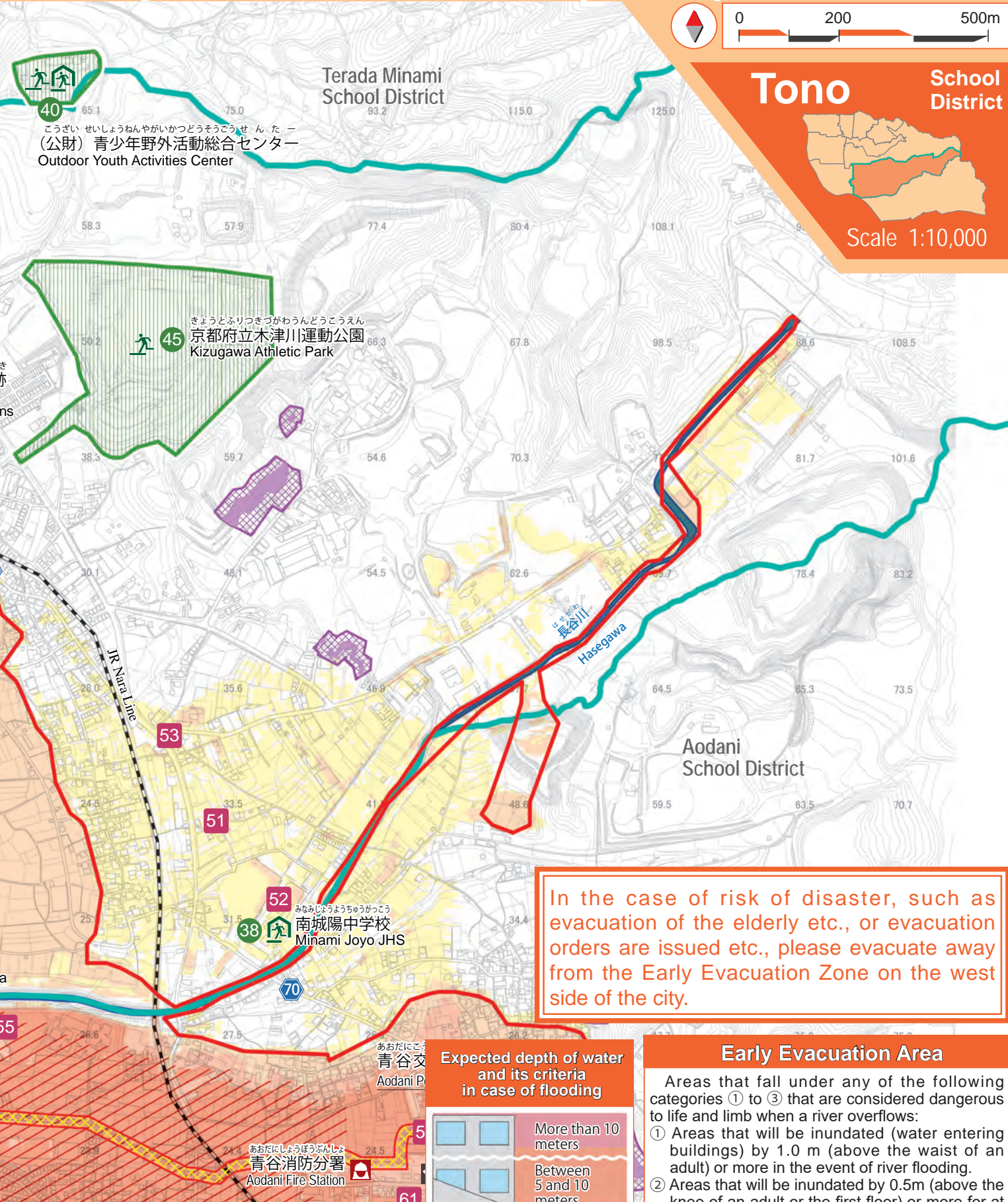
- Assumed inundation area for house collapses, etc. (flood overflow) *1
- Early Evacuation Zone
- Landslide warning area (landslides on steep slopes)
- Landslide special precaution zone (landslides on steep slopes)
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- Special alert area for landslide disasters (debris flow)
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A place of refuge from danger in the event of a disaster or the possibility of a disaster.
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- Dangerous Places (Underpasses)
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- Facilities for those with special considerations*
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- Police
- Fire Station
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- Disaster Prevention Camera
- Drainage Machine Area Pump Station
- Bicycle shop

*1 Areas where river levees may break or flood waters may cause wooden houses to collapse

*2 For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

1) Check walkway zone
2) Now you

Disasters by School District (Tono)



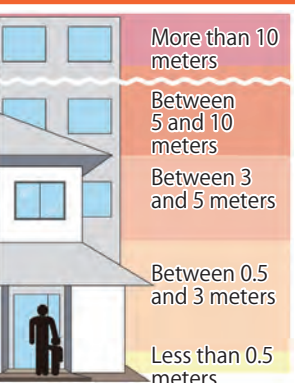
Tono School District



Scale 1:10,000

In the case of risk of disaster, such as evacuation of the elderly etc., or evacuation orders are issued etc., please evacuate away from the Early Evacuation Zone on the west side of the city.

Expected depth of water and its criteria in case of flooding



Early Evacuation Area

- Areas that fall under any of the following categories ① to ③ that are considered dangerous to life and limb when a river overflows:
- ① Areas that will be inundated (water entering buildings) by 1.0 m (above the waist of an adult) or more in the event of river flooding.
 - ② Areas that will be inundated by 0.5m (above the knee of an adult or the first floor) or more for at least 24 hours in the event of river flooding.
 - ③ Areas where houses and buildings are swept away or damaged by overflowing currents, etc. in the event of river flooding.

If there is a possibility of a disaster, such as when evacuation information is issued, please evacuate to the evacuation zone as soon as possible.

Let's make our own Hazard Map!

Check for dangerous spots when walking around town, and think of a way to get your closest evacuation zone.
Please draw on the map how you will get to the evacuation zone.



しせきもりやまいせき
史跡森山遺跡
Historic Site
Moriyama Ruins

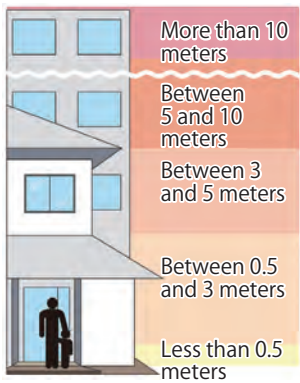
きょうとぶりつきづがわうんどうこうえん
京都府立木津川運動公園
Kizugawa Athletic Park

Let's make our own Hazard Map!

- 1) Check for dangerous spots when walking around town, and think of a way to get your closest evacuation zone.
- 2) Now please draw on the map how you will get to the evacuation zone.



Expected depth of water and its criteria in case of flooding

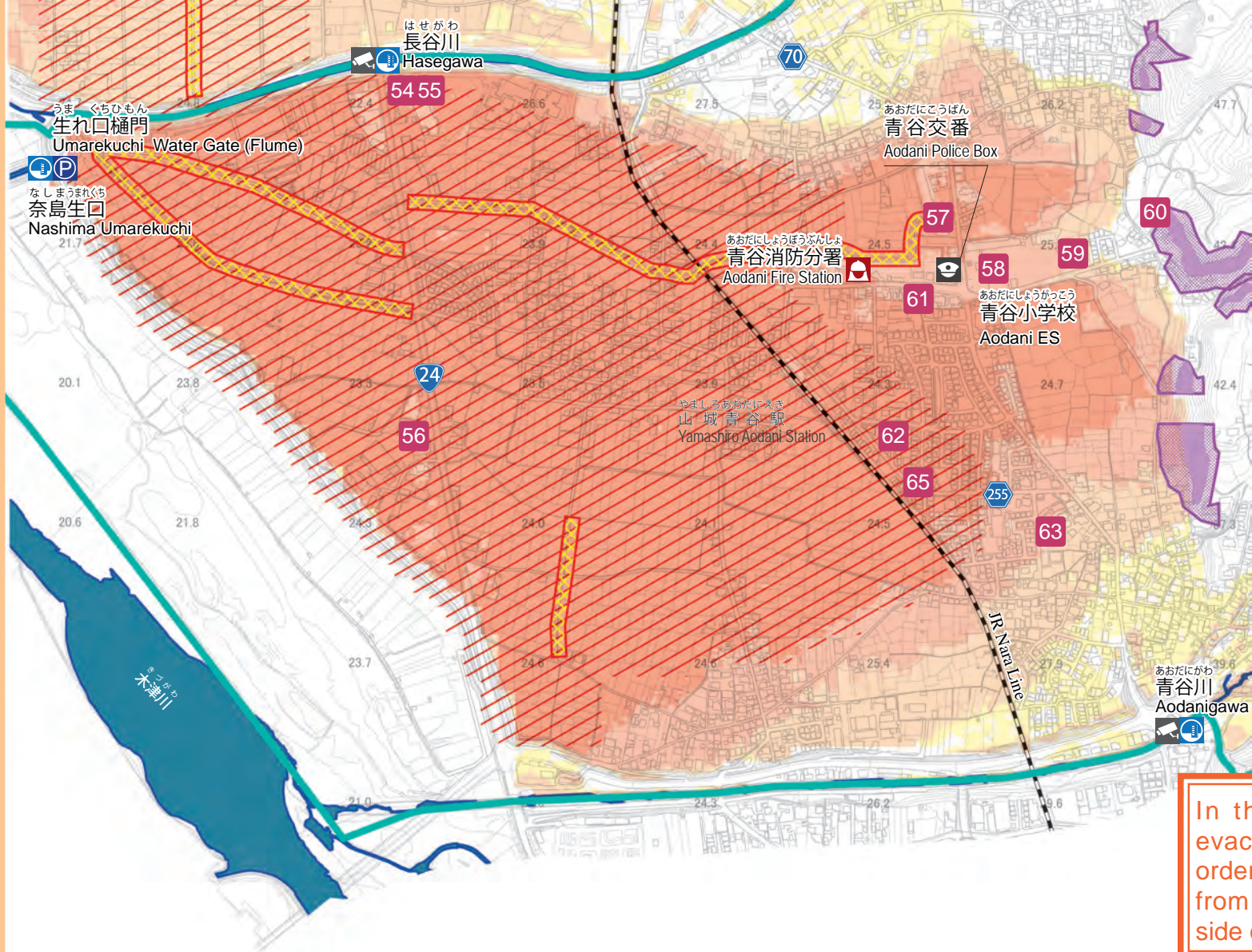


Early Evacuation Area

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If there is a possibility of a disaster, such as when evacuation information is issued, please evacuate to the evacuation zone as soon as possible.

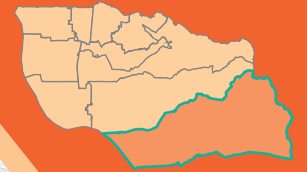


In the evacuation order, from the side of the river...

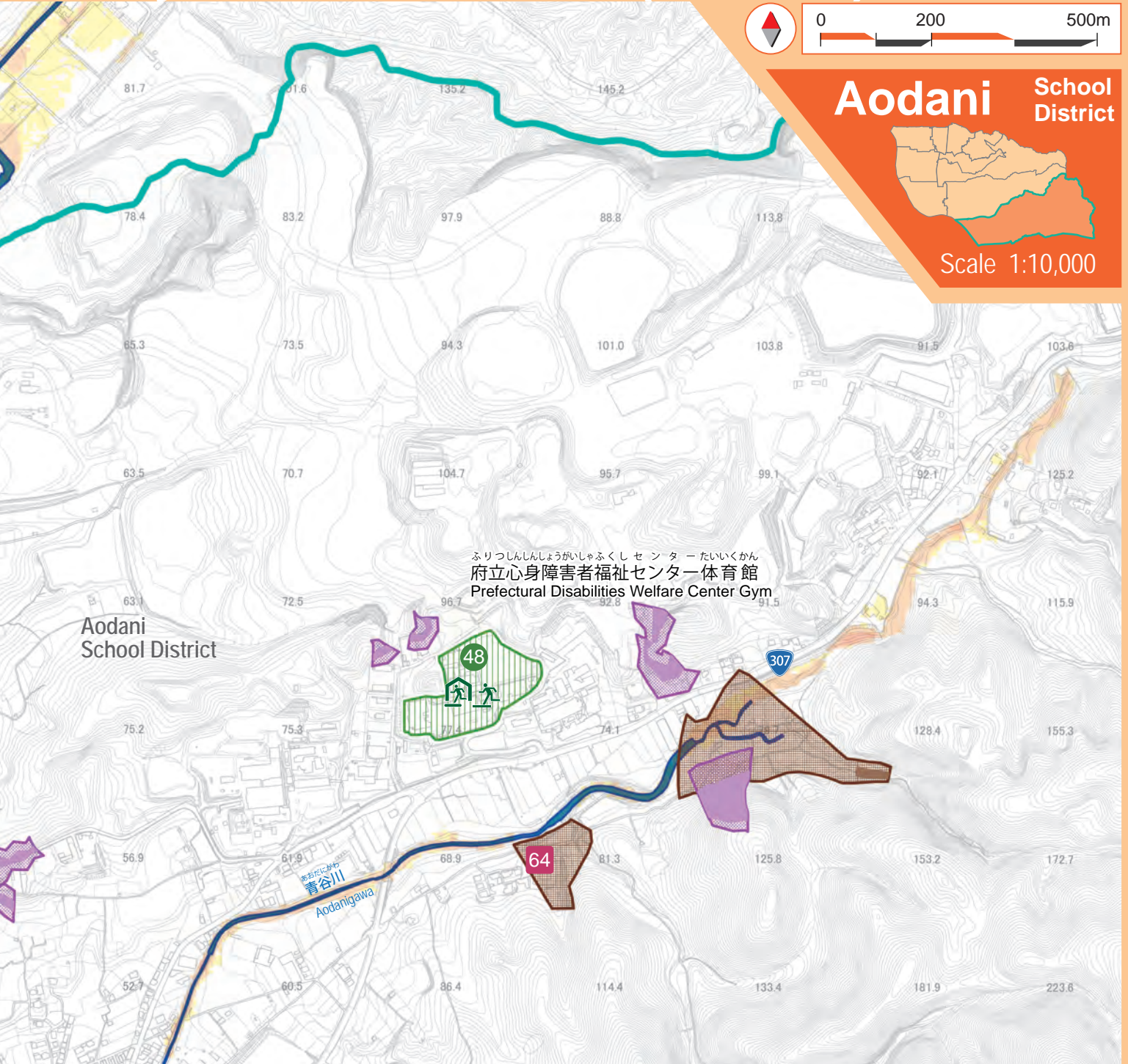
ides by School District (Aodani)



Aodani School District



Scale 1:10,000



Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

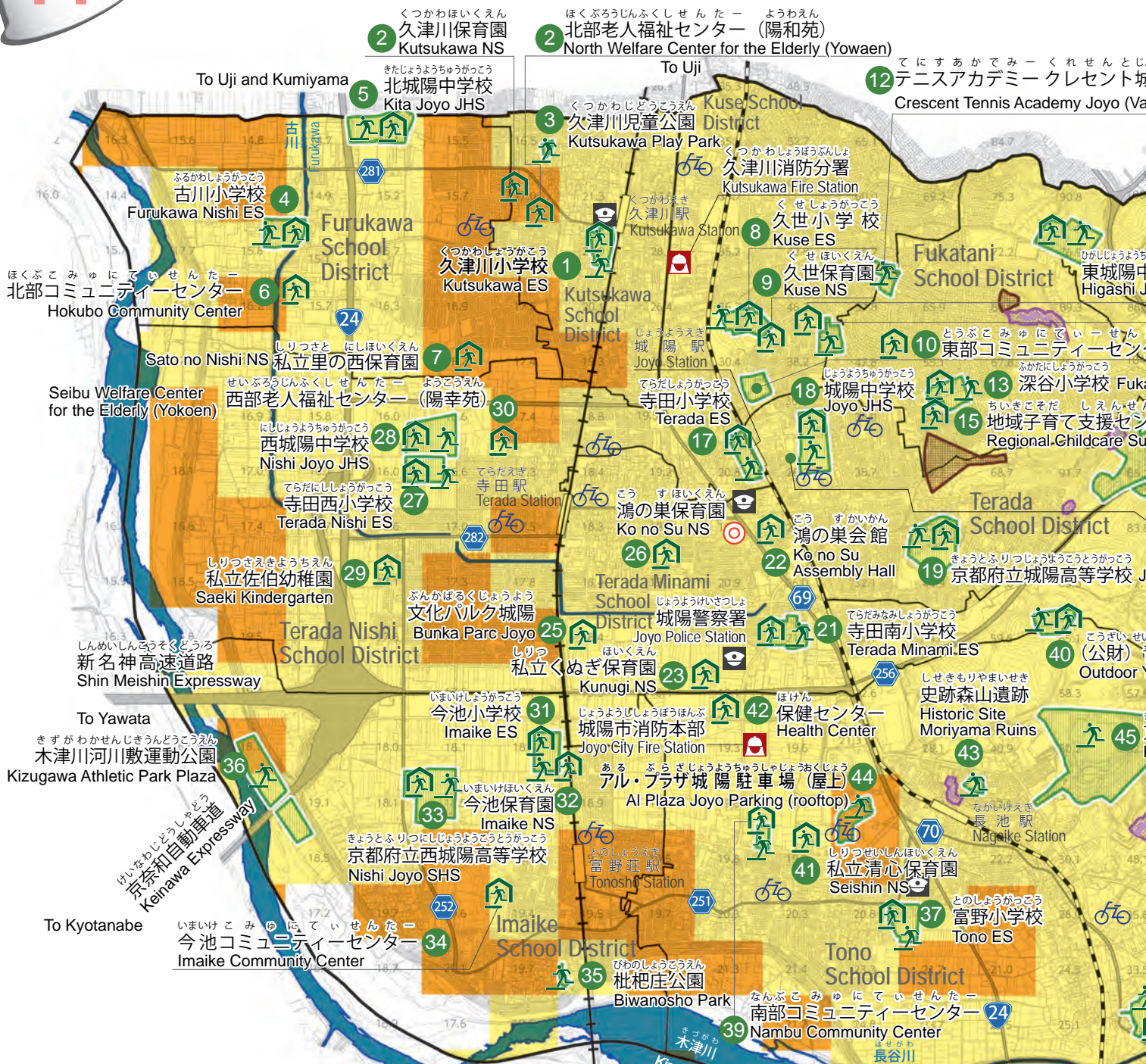
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- Dangerous Places (such as rivers, canals, etc. without fencing or railing)
- Facilities for those with special considerations*
- Elementary school district
- Jojo City Hall
- Police
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- Drainage Machine Area Pump Station
- Bicycle shop

In the case of risk of disaster, such as inundation of the elderly etc., or evacuation orders are issued etc., please evacuate away from the Early Evacuation Zone on the west of the city.

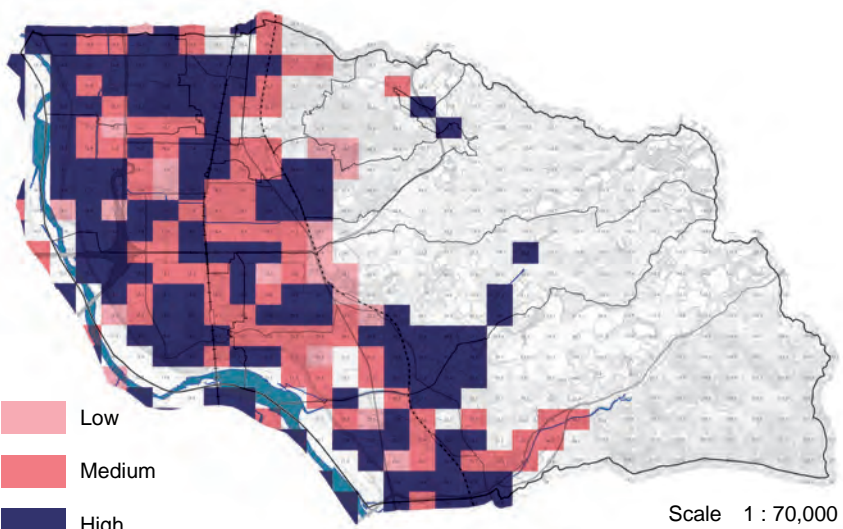
*1 Areas where river levees may break or flood waters may cause wooden houses to collapse

*2 For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.

Hazardmap Earthquake Damage E



Liquefaction Hazard Distribution Map












Scale 1 : 70,000

NS: Nursery School
 ES: Elementary School
 JHS: Junior High School
 SHS: Senior High School

Estimates (Nankai Trough)

Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

-  Landslide warning area (landslides on steep slopes)
-  Landslide special precaution zone (landslides on steep slopes)
-  Landslide disaster alert area (debris flow)
-  Special alert area for landslide disasters (debris flow)
-  Designated shelters and designated emergency shelters*
A place of refuge from danger in the event of a disaster or the possibility of a disaster.
-  Joyo City Hall
-  Police
-  Fire Station
-  Designated emergency shelters (open spaces)*

* For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.



0 200 500 1,000m

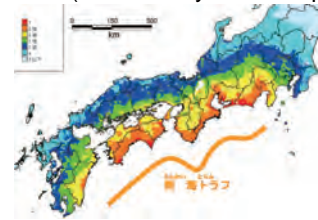
Nankai Trough

Scale

1:24,000

About Nankai Trough Earthquakes

A large-scale earthquake with its epicenter in a 4,000-meter-deep trench (trough) on the Pacific Ocean side between Shizuoka and off the coast of Shikoku is called a "Nankai Trough Earthquake". The probability of an earthquake occurring over the next 30 years is 70~80% so please be careful. (Published by the Earthquake Research Committee in January 2022)



Additions were written based on the "Nankai Trough Mega Earthquake Countermeasures (Final Report), May 2013" (Central Disaster Prevention Council).

◆ Estimated Damage in Joyo City

Maximum Expected Seismic Intensity [6+]

Level of human suffering

Number of Deaths: 70	Number of Individuals Injured: 910	Number of People Needing Help: 150
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Damage to buildings

Complete destruction (entire building destroyed): 980	Partially destroyed (buildings): -	Buildings destroyed by fire: 6,030
---	------------------------------------	------------------------------------


* The Nankai Trough earthquake is expected to cause extensive damage over a wide area, making it difficult for neighboring prefectures to provide wide-area support.



Seismic Intensity or Shindo

-  Shindo 5-Upper
-  Shindo 5-Lower
-  Shindo 6-Upper

Landslides

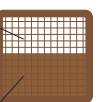
-  Steep slope landslides

Landslide Warning Areas

Area where landslides may occur

Landslides special warning area

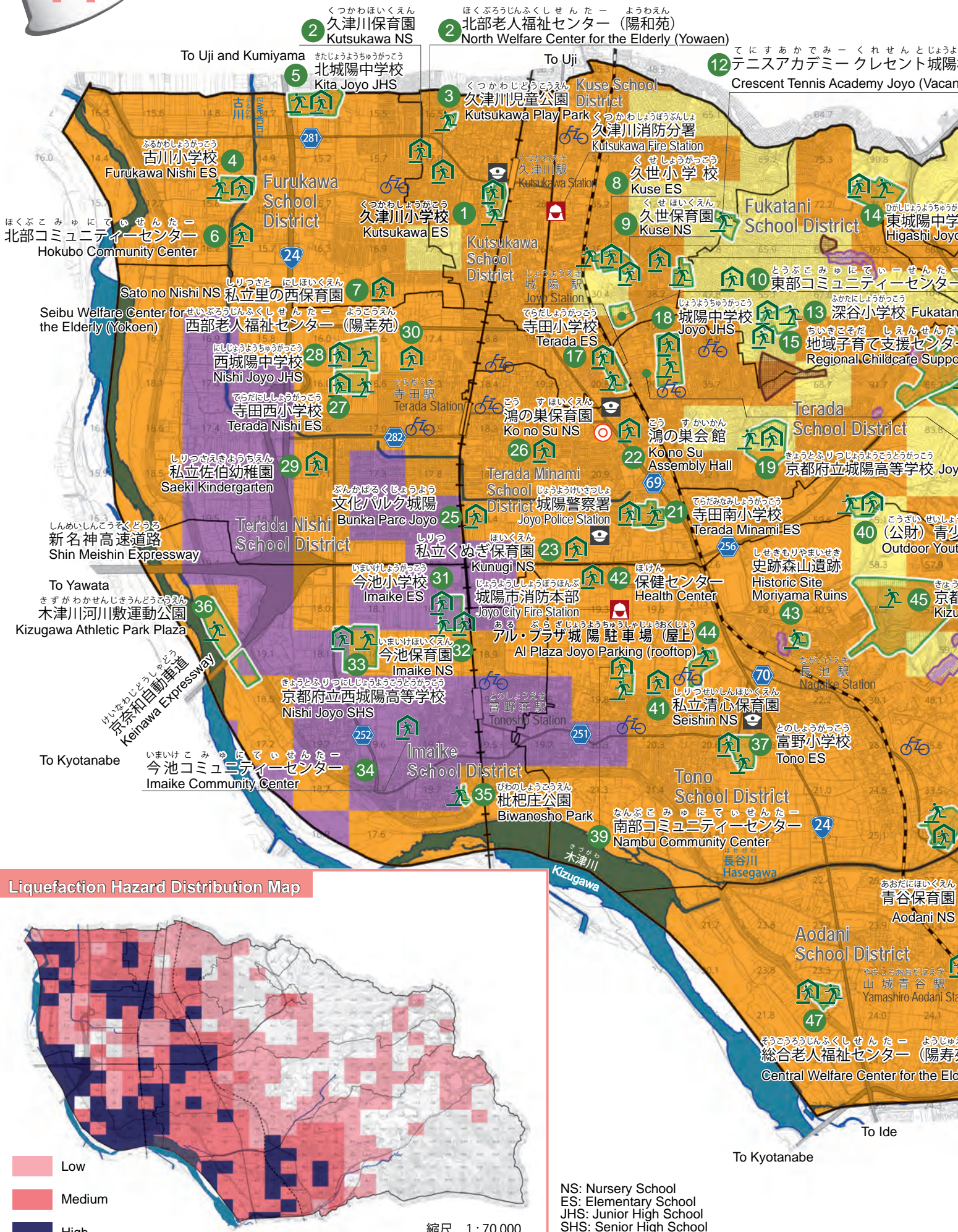
Areas where buildings may collapse and people may be seriously injured



Land-slide



Hazardmap Earthquake Damage E



Estimates (Ikoma Fault Zone)

Map symbols

The values on the map represent the ground height (descendant) based on the 5th mesh (250m mesh) of the National Land Information System (NDIS). (Unit: m)

- Landslide warning area (landslides on steep slopes)
- Landslide special precaution zone (landslides on steep slopes)
- Landslide disaster alert area (debris flow)
- Special alert area for landslide disasters (debris flow)
- Designated shelters and designated emergency shelters*
A place of refuge from danger in the event of a disaster or the possibility of a disaster.
- Joyo City Hall
- Police
- Fire Station
- Designated emergency shelters (open spaces)*

* For details on designated emergency shelters and facilities for people with special needs (people who need support), see Cpt 6.



0 200 500 1,000m

Ikoma Fault Zone

Scale

1:24,000

About the Ikoma Fault Zone

There are 22 faults (ground displacements) and fault zones in the Kyoto area, and Joyo city is expected to suffer significant damage from an earthquake centered on the Ikoma Fault Zone.

Fault lines near Joyo City



Estimated Damage in Joyo City

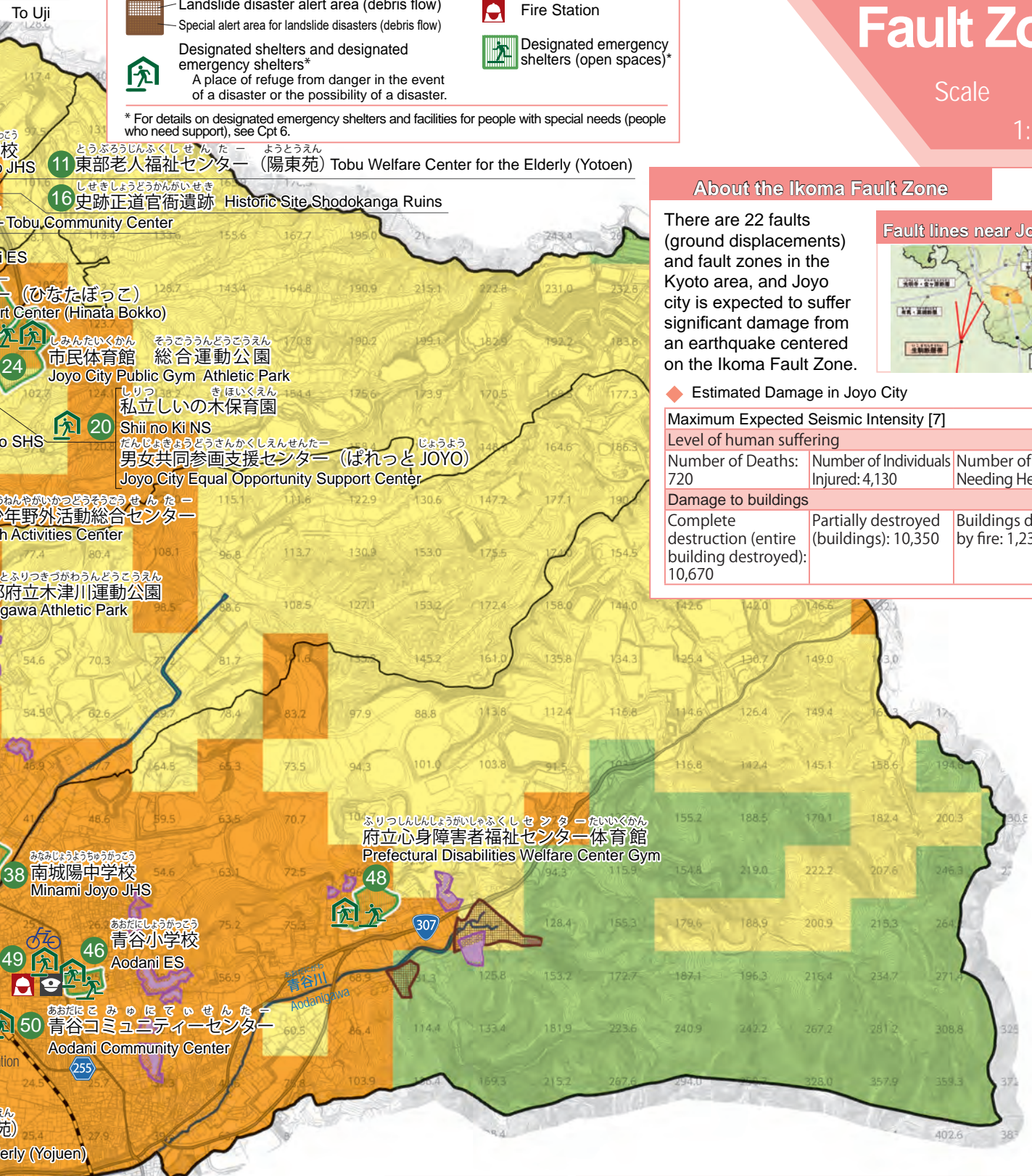
Maximum Expected Seismic Intensity [7]

Level of human suffering

Number of Deaths: 720	Number of Individuals Injured: 4,130	Number of People Needing Help: 3,150
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Damage to buildings

Complete destruction (entire building destroyed): 10,670	Partially destroyed (buildings): 10,350	Buildings destroyed by fire: 1,230
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Seismic Intensity or Shindo

- Shindo 5-Upper
- Shindo 5-Lower
- Shindo 6-Upper
- Shindo 7

Landslides

- Steep slope landslides
- Landslide Warning Areas
- Area where landslides may occur
- Landslides special warning area
- Areas where buildings may collapse and people may be seriously injured
- Land-slide

Family Contact Information

Names of Immediate Family and Relatives	Phone Number	Company, School, Regular Doctor, etc.	Phone Number

Let's make a disaster and evacuation card!

What is a disaster and evacuation card?

A disaster and evacuation card is an organized list of evacuation signals and evacuation sites for each disaster type.

In order to reduce the damage caused by natural disasters, it is very important for residents themselves to evacuate at the right time and to the right place.

Disaster and Evacuation Card Example

		Flood	Landslide or Sediment Disaster
Signal for evacuation (switch)		(Example) Persons who need time to evacuate: When the ○○ school district issues an Alert Level 3 "Evacuation for the Elderly" All: When alert level 4 "evacuation order" is issued in the ○○ school district.	(Example) Persons who need time to evacuate: When the ○○ school district issues an Alert Level 3 "Evacuation for the Elderly" All: When alert level 4 "evacuation order" is issued in the ○○ school district.
Evacuation Destination	The Best Place Evacuation Destination	Example 1: Mr. □□ 's House Example 2: ○○ Elementary School	Example 1: Mr. □□ 's House Example 2: ○○ Elementary School
	The Next Best Evacuation Destination	Example: ○○ Community Center	Example: ○○ Community Center
Notes	<ul style="list-style-type: none"> • When evacuating, please take your emergency preparedness bag with you. • The evacuation of the building should be called out to Mr. □□. • Disaster Message Board (171) (A message board that is to be used in the event of a disaster or other difficulty in connecting to the telephone) • In the event that evacuation is delayed or it is not possible to evacuate safely, move to a higher place that is not flooded, to a room as far away as possible from hillsides or cliffs, or to a nearby solidly-built tall building in order to ensure personal safety. 		
<ul style="list-style-type: none"> ○ When evacuation information is issued by the city, evacuate according to the information. ○ Evacuation of the Elderly People who need extra time to evacuate (the elderly, people with disabilities) and those assisting them should evacuate. ○ Evacuation Instructions Evacuate from dangerous places as soon as possible. 			

Designated Evacuation Centers for Flood Management

Designated flood evacuation centers operated by the voluntary disaster prevention groups of each school district are shown in the table below.

School District	Designated Evacuation Center for Flood Management	School District	Designated Evacuation Center for Flood Management
Kutsukawa	Kutsukawa Elementary School	Terada Minami	Joyo Senior High School
Furukawa	Higashi Joyo Junior High School	Terada Nishi	Joyo Junior High School
Kuse	Kuse Elementary School	Imaike	Joyo City Public Gym
Fukatani	Fukatani Elementary School	Tono	Minami Joyo Junior High School
Terada	Terada Elementary School	Aodani	Prefectural Disabilities Welfare Center Gym

		Disaster and Evacuation Card	
		Flood	Landslide or Sediment Disaster
Signal for evacuation (switch)			
Evacuation Destination	The Best Place Evacuation Destination		
	The Next Best Evacuation Destination		
Notes			

- **When evacuation information is issued by the city, evacuate according to the information.**
- **Evacuation of the Elderly**
People who need extra time to evacuate (the elderly, people with disabilities) and those assisting them should evacuate.
- **Evacuation Instructions**
Evacuate from dangerous places as soon as possible.

A List of Words Commonly Used in the Event of Natural Disaster (used in the original Japanese booklet)

Page	Word	Meaning	Page	Word	Meaning	Page	Word	Meaning
1	ぼうさい 防災	disaster preparedness	4	げりら ゲリラ ごう 豪雨	guerrilla torrential rains	10	よしん 余震	aftershock
1	どしゃ 土砂	soil and sand	4	ていぼう 堤防	levee	10	ようはいりよしや 要配慮者	person requires special consideration (the elderly, the disabled, infants, patients with diseases, pregnant women, and foreign nationals)
1	さいがい 災害	disaster	4	しんしょく 浸食	erosion	11	たいしんせい 耐震性	earthquake resistance
1	ひなん 避難	evacuation	4	けつかい 決壊	collapse	12	たなか 担架	stretcher
3	こうずい 洪水	flood	6	びちく 備蓄	stockpiling	14	ひなんしよ 避難所	evacuation shelter
4	ごう 豪雨	heavy rains	7	ちゅういほう 注意報	advisory	54	えきじょうか 液状化	liquefaction
4	がいすいはんらん 外水氾濫	external flooding (river)	7	けいほう 警報	warning	55	ぜんかい 全壊	complete destruction
4	ないすいはんらん 内水氾濫	internal flooding (sewage, spillways, etc.)	7	たちのき 立退	escape from specified location	55	はんかい 半壊	partially destroyed
4	どせきりゅう 土石流	Debris flow	7	していきんきゅう 指定緊急 ひなんほしよ 避難場所	designated emergency shelters	55	しんげん 震源	epic center
4	はんらん 氾濫	When levees break, or river water levels surpass the levees, it's called a flood.	7	きしょう 気象	weather	55	ふしょうしゃ 負傷者	injured person
4	しんすい 浸水	inundation	8	はざーど ハザード まっぷ マップ	hazardmap	55	しょうしつ 焼失	destroyed by fire
4	はいすい 排水	drainage	10	ぶれー ブレー かー カー	electric breaker	57	だんそう 断層	fault

For questions and concerns, please contact:

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