

HAZARD MAP

for Disaster Prevention

- » Checklist to Prepare for Disasters
- » How To Be Prepared for Wind and Water Disasters
- » How To Be Prepared for Sediment Disasters
- » How To Be Prepared for Earthquakes
- » Disaster Alert and Your Action
- » Disaster Plan for Your Family
- » How to Get Emergency Information



Preserved
Edition
March 2025

Minowa Town

Access the internet
version from here.
Versions in other
languages are also
available.



Other languages are available here.

Checklist to Prepare for Disasters

Emergency Supplies

What to keep at home!

- ☐ Food and water (for at least 3 days, up to 1 week if possible) x number of family members.
Buy foods with longer shelf life, and make it a habit to rotate them by restocking as you eat.
- ☐ Daily necessities
Facial tissues, toilet paper, plastic wrap, garbage bags, water canister, portable toilet, etc.



Grab-and-Go Bag Items to take with you when you evacuate !

- ☐ Water
- ☐ Foods
(Instant) rice, ready-to-eat retort food, cookies, chocolate, hardtack, etc.) for at least 3 days
- ☐ Safety helmet, padded hood
- ☐ Clothing, underwear
- ☐ rainwear
- ☐ Sneakers without laces
- ☐ Flashlight (※A hand-crank type is recommended.)
- ☐ Portable radio (※A hand-crank type is recommended.)
- ☐ Extra batteries, cell phone batteries
- ☐ Matches, candles
- ☐ First aid kit
(Band-aids, bandages, sanitizer, prescriptions, etc.)
- ☐ Disposable heat packs
- ☐ Blanket
- ☐ Work gloves
- ☐ Portable toilet (for at least 3 days!)
- ☐ Toiletries
- ☐ Toothbrush, toothpaste
- ☐ Towels
- ☐ Pens, notebooks
- ☐ Facial masks
- ☐ Hand sanitizer
- ☐ Soap, hand soap
- ☐ Wet tissues
- ☐ Thermometer
- ☐ Valuables
(Passbook, cash, passport, driver's license, patient card, My Number card, etc.)

For the Families with Children (Examples)

- ☐ Baby formula (cube type)
- ☐ Disposable milk bottles
- ☐ Baby food
- ☐ Portable cutlery
- ☐ Paper diapers for babies
- ☐ Baby wipes
- ☐ Baby rinse bottle
- ☐ Neck light
- ☐ Baby carrier
- ☐ Shoes for children

For Women (Examples)

- ☐ Sanitary napkins
- ☐ Pantyliners
- ☐ Period underwear
- ☐ Non-transparent garbage bags
- ☐ Self-defence alarm/whistle

For the Families with the Elderly

- ☐ Adult diapers
- ☐ Cane
- ☐ Hearing aid
- ☐ Adult care food
- ☐ Dentures, cleaner
- ☐ Incontinence pads
- ☐ Private parts cleaner
- ☐ Prescriptions
- ☐ Copy of prescription records

How To Be Prepared for Wind and Water Disasters

Intensity of rainfall				
Relatively strong rain	Strong rain	Intense rain	Very intense rain	Violent rain
10 - 20mm/h	20 - 30mm/h	30 - 50mm/h	50 - 80mm/h	Over 80mm/h
Pouring rain. Your feet will get wet because of the bouncing raindrops on the ground. Be cautious if this level of rain is prolonged.	Heavy downpour. You will get wet even with an umbrella. Ditches, sewers and creeks start to flood, and minor slope failures occur.	Torrential rain like water buckets are poured out. The roads look like rivers. Slope failures are likely to occur, and you will need to prepare to evacuate if you live in the area in danger.	Rain pours like a waterfall. The water spray makes the area hazy, and decreases visibility. Debris flow and various other types of disasters may occur.	There is a sense of stifling oppression, and you will feel terror. The occurrence of major disasters is highly probable. Maximum vigilance is required.

★Generally, 20mm/h of rain or over 100mm of accumulated rainfall is considered to heighten the risk of sediment disasters.

Water Level and Evacuation	Status of Minowa Town	Actions to be taken
Definitions of water level at Tenryu River Inatomi Water Level Observatory The water level potentially causing a devastating disaster High risk of flooding Evacuation advisory Flooding alert Waterfighters Normal	Alert level 5 Alert level 4 Alert level 3 Emergency safety measures Evacuation order Evacuation advisory for the elderly When major rivers are likely to flood, the river administration (MLIT and Prefecture) along with Japan Meteorological Agency issue flood forecast. Responding to the forecast, the town releases evacuation information.	Lives are in danger! Secure safety immediately. All evacuate from high-risk areas! All elderly evacuate from high-risk areas!

Minowa Town weather observation information

Minowa Town has six weather observatories of its own to observe precipitation, temperature, wind speed, etc. and releases the data on the website.

Minowa Town weather observation information
https://minowa.mate.ne.jp/weather/
(Certain models of cell phones may not display the pages.)



Disaster Alert and Your Action

Roles of disaster alert

The national and prefectural governments issue various disaster alerts including advisories, warnings, special warnings, sediment disaster warnings, and designated river flood forecasts in stages, calling for caution against heavy rain, strong winds, and the disasters that they cause. Disaster alert supports the town's decision to issue evacuation information, and also provides the citizens with the "information about the current status" to help them make a decision for evacuation. In the event of heavy rain, please pay attention to the evacuation information issued by the town. Even if evacuation information has not been issued, please make your own decision to evacuate using the disaster alert, and be sure to take appropriate evacuation action.

Alert level	Evacuation information		Actions to take
5	Disaster has occurred or imminent	Emergency Safety Measures	Life in danger Immediately secure safety!
~~~~~〈Evacuation required by Level 4!〉~~~~~			
4	Disaster highly probable	Evacuation order	All evacuate from high-risk areas!
3	Disaster probable	Evacuation advisory for the elderly	All elderly evacuate from high-risk areas!
2	Weather deteriorating	Heavy rain/flood/high waves advisory (JMA)	Check your evacuation action.
1	Weather possibly deteriorating	Early advisory (JMA)	Be disaster ready.

### Major disaster information

Advisory	Issued when a disaster is likely to occur.
Warning	Issued when a devastating disaster is likely to occur.
Special warning	Issued when a devastating disaster is highly likely to occur.
Sediment disaster warning	Issued after a heavy rain warning (sediment disaster) is announced if the likelihood of sediment disaster is heightened.
Information on record-breaking heavy rain in a short period of time	Issued after a heavy rain warning is announced if torrential rainfall for a short period of time is observed or analyzed that would occur only once several years in the prefecture.
Tornado advisory	An advisory calling attention to tornados, downburst and other strong gusts of wind to supplement thunder advisory.

## Disaster Plan for Your Family

When to start evacuating and what to put in your emergency kit vary by geographical conditions and family structure. It is very effective to discuss in advance when, who and how to act assuming a disaster.

Let's check the hazard map for disaster risks around your house.

Are there any disaster risks around your house?  
(Colored areas on the hazard map indicate possible disasters.)

- ☐ Risk of flooding due to an overflowing river
- ☐ Risk of sediment disaster

Let's discuss where and how to evacuate.

Consider various disaster situations and discuss several options for evacuation locations.

Location ① _____ Location ② _____ Location ③ _____  
Transportation : _____ min. Transportation : _____ min. Transportation : _____ min.

Let's discuss what to take when you evacuate.

Daily necessities	Valuables	Emergency food	Hygiene/Health care items
<input type="checkbox"/> Clothing, underwear <input type="checkbox"/> facial tissues <input type="checkbox"/> portable radio <input type="checkbox"/> cell phone charger	<input type="checkbox"/> towels <input type="checkbox"/> flashlight <input type="checkbox"/> extra batteries <input type="checkbox"/> Cash <input type="checkbox"/> passbook and signature seal <input type="checkbox"/> health insurance card <input type="checkbox"/> My Number card, etc.	<input type="checkbox"/> Drinking water <input type="checkbox"/> food (staple food, snacks) <input type="checkbox"/> anti-allergy food <input type="checkbox"/> paper plates	<input type="checkbox"/> Prescriptions <input type="checkbox"/> facial masks <input type="checkbox"/> wet tissues <input type="checkbox"/> sanitizing alcohol <input type="checkbox"/> portable toilet

Others (Decide considering your family structure and write them down.)

Let's discuss when to evacuate.

- ☐ Alert level 3 "Evacuation advisory for the elderly" issued by the town  
The elderly and others requiring time for evacuation start evacuating.
- ☐ Alert level 4 Evacuation order issued by the town  
All evacuate from high-risk areas.

【Who to inform about evacuation】

- ① _____
- ② _____
- ③ _____

Let's create "My Timeline"

My Timeline is a chronological list of actions to take when a disaster is imminent, and helps you make more detailed plans. Please visit the official website of the town to find the forms and how to create a timeline.



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## How To Be Prepared for Sediment Disasters

Slope failure (Collapse of earth from a steep slope)	Debris flow	Landslide
Slope failures occur when the proximity of the earth's surface gets loosened due to infiltration of rain water or an earthquake, suddenly causing it to slide down. Since the earth collapses very quickly, evacuation tends to be too late if a slope failure occurs close to residences.	A debris flow is caused by rocks and soil on the mountainside or riverbed rapidly traveling down the valley due to prolonged or localized torrential rainfall.	A landslide is a phenomenon where part or all of the slope slowly moves downhill due to the impact of groundwater and gravity. Since the amount of mass movement is large, significant damage occurs.
Warning signs		
■ Cracks in the cliff ■ Pebbles rolling downhill ■ Water seeps out from the cliff. ■ Spring water stops or becomes muddy. ■ Crackling noises are heard from the cliff.	■ The rain continues, but the river water level is lowered. ■ The river water suddenly becomes muddy, and driftwood is seen. ■ It smells like rotten soil. ■ Rumbling of the mountain ■ The sound of driftwood splitting and rocks hitting each other	■ Cracks/Cave-in in the ground ■ Water gushes out from the cliff or slope. ■ Water in the well or stream becomes muddy. ■ The ground or mountain rumbles. ■ Cracks and faults occur. ■ Trees tilt.

### Learn about two warning areas.

Sediment disaster warning zones are:	Sediment disaster special warning areas are:
Areas with potential sediment disasters. If you live in the area: ○Review the potential disaster areas and collect information. ○Participate in evacuation drills. ○Check out the shelters on the hazard map. ○Check the sediment disaster and rainfall information. ○Start evacuating as early as possible.	Sediment disaster warning zones that are likely to suffer building damages severely harming residents. If you live in these areas: ○Check potentially hazardous areas and collect disaster information. ○Participate in evacuation drills. ○Check the hazard map for shelters. ○Check the sediment disaster and rainfall information. ○Start evacuating as early as possible. ○For the buildings with a risk of severe damage, transfer may be recommended.

## How to Get Emergency Information



Smartphone app  
Please scan the 2D code on the right and download the app to register.



Feature phone app  
Please scan the 2D code on the right to register.



Listen to government's radio disaster information on the phone.

Call the number on the right to listen to the radio announcement distributed through the loud speaker.

Phone numbers  
0265-70-1530  
0265-70-1531

### Disaster Message Dial 171

Disaster Message Dial (171) is a telephone service that allows you to register and confirm the safety of your family and friends in the disaster areas. It is available from NTT East and NTT West subscriber phones, ISDN, payphones, Hikari telephones, specially-installed payphones, and cell phones

Call 171	To record, press 1 To play, press 2	Please input your phone number. Input the number of your family/friend.	Number of messages 1 to 20 Message retention period Until completion of the service. Maximum recording time 30 seconds/message Phones that can be registered Landlines, payphones, cell phones	Let's try using it! On the 1st and 15th of every month, January 1-3, and during the "Disaster Prevention and Volunteer Week," you can use Dial 171 for simulation. Let's try using it to be prepared for an emergency!
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### Emergency contacts

Town Office	Minowa Town Office 0265-79-3111 (switchboard)
Fire/Ambulance/Rescue: 119	Kami Ina Fire Headquarters 0265-72-0119
Urgent call to the police: 110	Ina Police Station 0265-72-0110 Minowa Police Box 0265-79-2028

### Internet information

◆ Official website of Minowa Town https://www.town.minowa.lg.jp/	◆ Official website of Nagano Prefecture https://www.pref.nagano.lg.jp/
◆ Kikikuru (Japan Meteorological Agency) https://www.jma.go.jp	◆ River Safety Information (MLIT) https://www.river.go.jp/
◆ River Level Information (Foundation of River & Basin Integrated Communications) https://k.river.go.jp/	◆ Nagano Prefecture Erosion and Sediment Control Information Center https://www.sabo-nagano.jp/

### Safety measures in the house

Your house will be a dangerous place if an earthquake causes the furniture to fall down or the glass to break and scatter all over. Please take safety measures before an earthquake occurs, such as securing your furniture and installing a quake-sensitive circuit breaker.

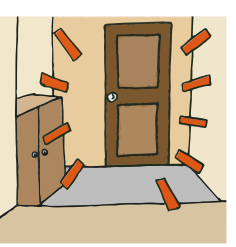
#### Install a quake-sensitive circuit breaker to prevent fire

When electricity is restored after an earthquake, fallen electric heaters or damaged electric wiring can cause a fire. When you evacuate from home, please shut off the circuit breakers. Installing a quake-sensitive circuit breaker is also helpful.



#### Do not block the doorway or hallway with furniture or boxes.

To ensure safe evacuation, do not place items that may fall over near the front door, any other doorways, or in the paths leading to them.



#### When an earthquake alert is issued, consider your safety first!

An earthquake alert is a warning issued just before a strong earthquake occurs, detecting the movement of the ground near the epicenter. It is aired on TV and radio, or sent to the cell phone when a strong earthquake is expected. There are only a few seconds between the time you receive it and the actual earthquake hits. Please act with "safety first" in mind.

#### Probability of an earthquake in the next 30 years

	Inadani Fault	Itoigawa-Shizuoka Tectonic Line	Kiso Seien Fault	Sakai Toge-Kamiya Fault	Adera Fault, Main/south	Nagano Bōchi Seien Fault	Nankai Trough
Anticipated scale and probability of an earthquake in the next 30 years	M8.0 Almost 0%	Mid-north M7.6 14~30% Mid-south M7.4 0.9~8%	M7.5 Almost 0%	M7.6 0.02~13%	M7.8 Almost 0%	M7.4~7.8 Almost 0%	M8~9 80%

As of Jan. 1, 2025 by HQ for Earthquake Research Promotion

Minowa Town is designated a focus area for Tokai Earthquakes and Nankai Trough Earthquakes.

Aim for 100% completion of earthquake-resistant renovation, furniture anchoring and installation of a quake-sensitive circuit breaker!

### What is ShakeOut?

ShakeOut is an earthquake drill to learn how to protect your life when an earthquake occurs. It is unique because it takes place with many different people at various locations at the same time. Participants learn to take a very important but simple "1-2-3 of safety action" assuming an earthquake disaster.





# HAZARD MAP



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Sediment Disaster



Earthquake



Wind and Water Disaster

**Preserved  
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# How To Be Prepared for Earthquakes

## Safety measures in the house

Your house will be a dangerous place if an earthquake causes the furniture to fall down or the glass to break and scatter all over. Please take safety measures before an earthquake occurs, such as securing your furniture and installing a quake-sensitive circuit breaker.

### Install a quake-sensitive circuit breaker to prevent fire

When electricity is restored after an earthquake, fallen electric heaters or damaged electric wiring can cause a fire. When you evacuate from home, please shut off the circuit breakers. Installing a quake-sensitive circuit breaker is also helpful.



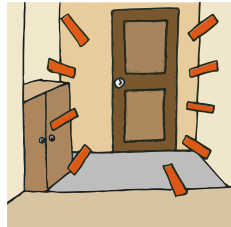
### Do not place furniture that may fall over in the bedrooms or rooms for children or the elderly.

It is dangerous if an earthquake occurs when you are sleeping. Do not place any tall furniture in the bedrooms, or make sure to secure it.



### Do not block the doorway or hallway with furniture or boxes.

To ensure safe evacuation, do not place items that may fall over near the front door, any other doorways, or in the paths leading to them.



### Prevent furniture from falling

Secure tall furniture and heavy household appliances to the walls or pillar. Do not place heavy objects in high places.



## When an earthquake alert is issued, consider your safety first!

An earthquake alert is a warning issued just before a strong earthquake occurs, detecting the movement of the ground near the epicenter. It is aired on TV and radio, or sent to the cell phone when a strong earthquake is expected. There are only a few seconds between the time you receive it and the actual earthquake hits. Please act with "safety first" in mind.



## Probability of an earthquake in the next 30 years

	Inadani Fault	Itoigawa-Shizuoka Tectonic Line		Kiso Sanmyaku-Seien Fault	Sakai Toge-Kamiya Fault	Adera Fault Main/south	Nagano Bonchi Seien Fault	Nankai Trough
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ShakeOut is an earthquake drill to learn how to protect your life when an earthquake occurs. It is unique because it takes place with many different people at various locations at the same time. Participants learn to take a very important but simple "1-2-3 of safety action" assuming an earthquake disaster.

### 1-2-3 of safety action



# Checklist to Prepare for Disasters

## Emergency Supplies

### What to keep at home!

- ☐ Food and water (for at least 3 days, up to 1 week if possible) x number of family members.

Buy foods with longer shelf life, and make it a habit to rotate them by restocking as you eat.

- ☐ Daily necessities

Facial tissues, toilet paper, plastic wrap, garbage bags, water canister, portable toilet, etc.



## Grab-and-Go Bag

### Items to take with you when you evacuate !

- ☐ Water
- ☐ Foods  
(Instant) rice, ready-to-eat retort food, cookies, chocolate, hardtack, etc.) for at least 3 days
- ☐ Safety helmet, padded hood
- ☐ Clothing, underwear
- ☐ rainwear
- ☐ Sneakers without laces
- ☐ Flashlight (※A hand-crank type is recommended.)
- ☐ Portable radio (※A hand-crank type is recommended.)
- ☐ Extra batteries, cell phone batteries
- ☐ Matches, candles
- ☐ First aid kit  
(Band-aids, bandages, sanitizer, prescriptions, etc.)
- ☐ Disposable heat packs
- ☐ Blanket

- ☐ Work gloves
- ☐ Portable toilet (for at least 3 days!)
- ☐ Toiletries
- ☐ Toothbrush, toothpaste
- ☐ Towels
- ☐ Pens, notebooks

### Useful to prevent infections !

- ☐ Facial masks
- ☐ Hand sanitizer
- ☐ Soap, hand soap
- ☐ Wet tissues
- ☐ Thermometer

### Let's not forget these !

- ☐ Valuables  
(Passbook, cash, passport, driver's license, patient card, My Number card, etc.)

## For the Families with Children (Examples)

- ☐ Baby formula (cube type)
- ☐ Disposable milk bottles
- ☐ Baby food
- ☐ Portable cutlery
- ☐ Paper diapers for babies
- ☐ Baby wipes
- ☐ Baby rinse bottle
- ☐ Neck light
- ☐ Baby carrier
- ☐ Shoes for children

## For Women (Examples)

- ☐ Sanitary napkins
- ☐ Pantyliners
- ☐ Period underwear
- ☐ Non-transparent garbage bags
- ☐ Self-defence alarm/whistle

## For the Families with the Elderly

- ☐ Adult diapers
- ☐ Cane
- ☐ Hearing aid
- ☐ Adult care food
- ☐ Dentures, cleaner
- ☐ Incontinence pads
- ☐ Private parts cleaner
- ☐ Prescriptions
- ☐ Copy of prescription records

# Disaster Alert and Your Action

## Roles of disaster alert

The national and prefectural governments issue various disaster alerts including advisories, warnings, special warnings, sediment disaster warnings, and designated river flood forecasts in stages, calling for caution against heavy rain, strong winds, and the disasters that they cause. Disaster alert supports the town's decision to issue evacuation information, and also provides the citizens with the "information about the current status" to help them make a decision for evacuation. In the event of heavy rain, please pay attention to the evacuation information issued by the town. Even if evacuation information has not been issued, please make your own decision to evacuate using the disaster alert, and be sure to take appropriate evacuation action.






Alert level	Evacuation information		Actions to take
<b>5</b>	<b>Disaster has occurred or imminent</b>	<b>Emergency Safety Measures</b>	<b>Life in danger Immediately secure safety!</b>
~~~~ 〈Evacuation required by Level 4!〉 ~~~~			
4	Disaster highly probable	Evacuation order	All evacuate from high-risk areas!
3	Disaster probable	Evacuation advisory for the elderly	All elderly evacuate from high-risk areas!
2	Weather deteriorating	Heavy rain/flood/high waves advisory (JMA)	Check your evacuation action.
1	Weather possibly deteriorating	Early advisory (JMA)	Be disaster ready.

■ Major disaster information

Advisory	Issued when a disaster is likely to occur.
Warning	Issued when a devastating disaster is likely to occur.
Special warning	Issued when a devastating disaster is highly likely to occur.
Sediment disaster warning	Issued after a heavy rain warning (sediment disaster) is announced if the likelihood of sediment disaster is heightened.
Information on record-breaking heavy rain in a short period of time	Issued after a heavy rain warning is announced if torrential rainfall for a short period of time is observed or analyzed that would occur only once several years in the prefecture.
Tornado advisory	An advisory calling attention to tornados, downburst and other strong gusts of wind to supplement thunder advisory.

How To Be Prepared for Wind and Water Disasters

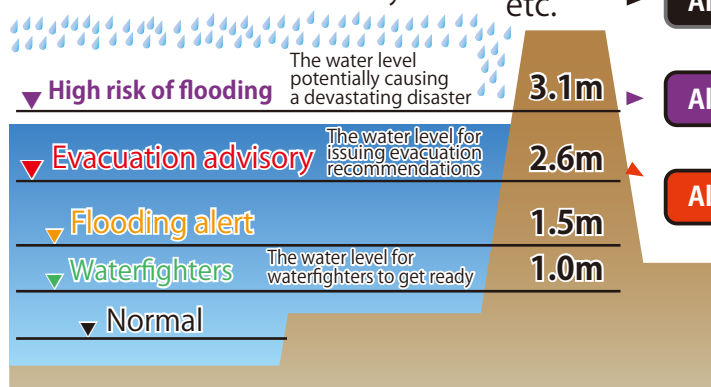
Intensity of rainfall

Relatively strong rain	Strong rain	Intense rain	Very intense rain	Violent rain
				
10 - 20mm/h	20 - 30mm/h	30 - 50mm/h	50 - 80mm/h	Over 80mm/h
Pouring rain. Your feet will get wet because of the bouncing raindrops on the ground. Be cautious if this level of rain is prolonged.	Heavy downpour. You will get wet even with an umbrella. Ditches, sewers and creeks start to flood, and minor slope failures occur.	Torrential rain like water buckets are poured out. The roads look like rivers. Slope failures are likely to occur, and you will need to prepare to evacuate if you live in the area in danger.	Rain pours like a waterfall. The water spray makes the area hazy, and decreases visibility. Debris flow and various other types of disasters may occur.	There is a sense of stifling oppression, and you will feel terror. The occurrence of major disasters is highly probable. Maximum vigilance is required.

★Generally, 20mm/h of rain or over 100mm of accumulated rainfall is considered to heighten the risk of sediment disasters.

Water Level and Evacuation

Definitions of water level at Tenryu River Inatomi Water Level Observatory



Status of Minowa Town

Actions to be taken

Emergency safety measures
A river bank is breached.

Lives are in danger!
Secure safety immediately.

Evacuation order
Water level 3.1m

All evacuate from high-risk areas!

Evacuation advisory for the elderly
Water level 2.6m

All elderly evacuate from high-risk areas!

When major rivers are likely to flood, the river administration (MLIT and Prefecture) along with Japan Meteorological Agency issue flood forecast. Responding to the forecast, the town releases evacuation information.

Minowa Town weather observation information

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Disaster Plan for Your Family

When to start evacuating and what to put in your emergency kit vary by geographical conditions and family structure. It is very effective to discuss in advance when, who and how to act assuming a disaster.

Let's check the hazard map for disaster risks around your house.

Are there any disaster risks around your house?

(Colored areas on the hazard map indicate possible disasters.)

☐ Risk of flooding due to an overflowing river

☐ Risk of sediment disaster

Let's discuss where and how to evacuate.

Consider various disaster situations and discuss several options for evacuation locations.

Location ① _____ Location ② _____ Location ③ _____

Transportation : _____ min. Transportation : _____ min. Transportation : _____ min.

Let's discuss what to take when you evacuate.

Daily necessities	Valuables	Emergency food	Hygiene/Health care items
<input type="checkbox"/> Clothing, underwear <input type="checkbox"/> towels <input type="checkbox"/> facial tissues <input type="checkbox"/> flashlight <input type="checkbox"/> portable radio <input type="checkbox"/> extra batteries <input type="checkbox"/> cell phone charger	<input type="checkbox"/> Cash <input type="checkbox"/> passbook and signature seal <input type="checkbox"/> health insurance card <input type="checkbox"/> My Number card, etc.	<input type="checkbox"/> Drinking water <input type="checkbox"/> food (staple food, snacks) <input type="checkbox"/> anti-allergy food <input type="checkbox"/> paper plates	<input type="checkbox"/> Prescriptions <input type="checkbox"/> facial masks <input type="checkbox"/> wet tissues <input type="checkbox"/> sanitizing alcohol <input type="checkbox"/> portable toilet

Others (Decide considering your family structure and write them down.)

Let's discuss when to evacuate.

☐ **Alert level 3** "Evacuation advisory for the elderly" issued by the town
The elderly and others requiring time for evacuation start evacuating.

☐ **Alert level 4** Evacuation order issued by the town
All evacuate from high-risk areas.

【Who to inform about evacuation】

① _____

② _____

③ _____

Let's create "My Timeline"

My Timeline is a chronological list of actions to take when a disaster is imminent, and helps you make more detailed plans. Please visit the official website of the town to find the forms and how to create a timeline.

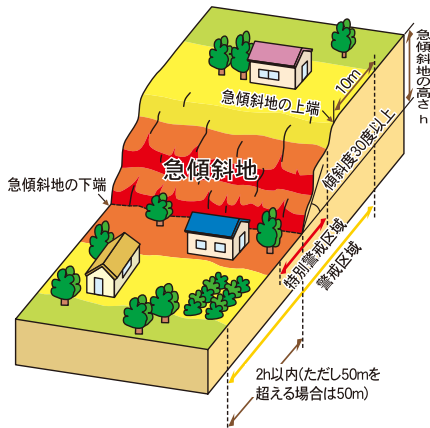


箕輪町 マイタイムライン

How To Be Prepared for Sediment Disasters

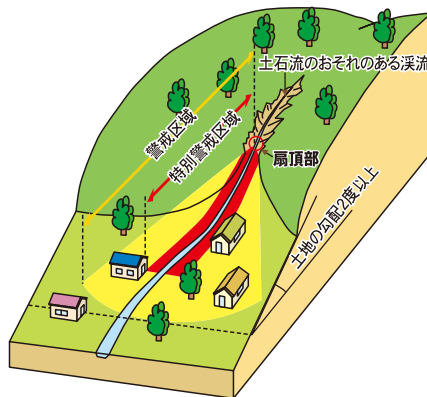
Slope failure

(Collapse of earth from a steep slope)



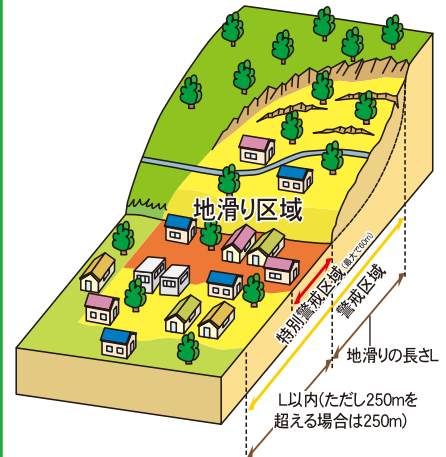
Slope failures occur when the proximity of the earth's surface gets loosened due to infiltration of rain water or an earthquake, suddenly causing it to slide down. Since the earth collapses very quickly, evacuation tends to be too late if a slope failure occurs close to residences.

Debris flow



A debris flow is caused by rocks and soil on the mountainside or riverbed rapidly traveling down the valley due to prolonged or localized torrential rainfall.

Landslide



A landslide is a phenomenon where part or all of the slope slowly moves downhill due to the impact of groundwater and gravity. Since the amount of mass movement is large, significant damage occurs.

Warning signs

- Cracks in the cliff
- Pebbles rolling downhill
- Water seeps out from the cliff.
- Spring water stops or becomes muddy.
- Crackling noises are heard from the cliff.

- The rain continues, but the river water level is lowered.
- The river water suddenly becomes muddy, and driftwood is seen.
- It smells like rotten soil.
- Rumbling of the mountain
- The sound of driftwood splitting and rocks hitting each other

- Cracks/Cave-in in the ground
- Water gushes out from the cliff or slope.
- Water in the well or stream becomes muddy.
- The ground or mountain rumbles.
- Cracks and faults occur.
- Trees tilt.

Learn about two warning areas.

Sediment disaster warning zones are:

Areas with potential sediment disasters.

If you live in the area:

- Review the potential disaster areas and collect information.
- Participate in evacuation drills.
- Check out the shelters on the hazard map.
- Check the sediment disaster and rainfall information.
- Start evacuating as early as possible.

Sediment disaster special warning areas are:

Sediment disaster warning zones that are likely to suffer building damages severely harming residents.

If you live in these areas:

- Check potentially hazardous areas and collect disaster information.
- Participate in evacuation drills.
- Check the hazard map for shelters.
- Check the sediment disaster and rainfall information.
- Start evacuating as early as possible.
- For the buildings with a risk of severe damage, transfer may be recommended.

How to Get Emergency Information



Minowa Mate
みのわ
メイト

This is Minowa Town's information distribution service. It provides government and event news in normal times, and evacuation information during an emergency. Since the announcement on the government's disaster radio system is recorded and distributed there, it is accessible on your smartphone.

Smartphone app
Please scan the 2D code on the right and download the app to register.



Feature phone app



Please scan the 2D code on the right to register.

Listen to government's radio disaster information on the phone.

Call the number on the right to listen to the radio announcement distributed through the loud speaker.

Phone numbers

**0265-70-1530
0265-70-1531**

Disaster Message Dial 171

Disaster Message Dial (171) is a telephone service that allows you to register and confirm the safety of your family and friends in the disaster areas. It is available from NTT East and NTT West subscriber phones, ISDN, payphones, Hikari telephones, specially-installed payphones, and cell phones



Follow the voice guidance.

To record, press

1

Please input **your** phone number.

To play, press

2

Input the number of **your family/friend**.

Number of messages

1 to 20

Message retention period

Until completion of the service.

Maximum recording time

30 seconds/message

Phones that can be registered

Landlines, payphones, cell phones

Let's try using it!

On the 1st and 15th of every month, January 1-3, and during the "Disaster Prevention and Volunteer Week," you can use Dial 171 for simulation. Let's try using it to be prepared for an emergency!

Emergency contacts

Town Office	Minowa Town Office 0265-79-3111 (switchboard)
Fire/Ambulance/Rescue: 119	Kami Ina Fire Headquarters 0265-72-0119
Urgent call to the police: 110	Ina Police Station 0265-72-0110 Minowa Police Box 0265-79-2028

Internet information

◆ Official website of Minowa Town
<https://www.town.minowa.lg.jp/>



◆ Kikikuru (Japan Meteorological Agency)
<https://www.jma.go.jp>



◆ River Level Information (Foundation of River & Basin Integrated Communications)
<https://k.river.go.jp/>



◆ Official website of Nagano Prefecture
<https://www.pref.nagano.lg.jp/>



◆ River Safety Information (MLIT)
<https://www.river.go.jp/>



◆ Nagano Prefecture Erosion and Sediment Control Information Center
<https://www.sabo-nagano.jp/>

