

Keep this hazard map within reach

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Tsunami Hazard Map

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What is Tsunami Hazard Map?
This Tsunami Hazard Map provides information about areas expected to be inundated, the expected inundation depth, directions to evacuate, and emergency evacuation sites in the case of a large-scale tsunami, and locates the emergency evacuation sites on the map in order to help with prompt evacuations in the event of a tsunami.

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Make a Tsunami Evacuation Plan for Your Home

- Circle your home, workplace, and school on the map.
- Draw the shortest evacuation route from your home and workplace to the out of the expected areas of inundation on the map. Don't evacuate towards sea or rivers even when trying to get out of the inundated areas.
- Select squares or circles near each evacuation route to mark areas out of the expected inundated areas, as temporary evacuation sites.
- Decide your family's gathering place or evacuation site and double circle them on the map.
- Draw routes from each temporary evacuation site to your family's gathering place.

My Family's Disaster Prevention Plan

My family will meet at

Evacuate to an area out of the estimated flood area immediately after an earthquake occurs.

Name	Telephone	Workplace/School	Temporary Evacuation Sites
Example) Taro Sakaide	090-1234-5678	Sakaide Inc.	__park

If you work out of Sakaide, see the hazard map which the municipality of your workplace makes, and decide where to evacuate after an earthquake occurs.

For further information about the Tsunami Hazard Map, contact

Emergency Management Office at Sakaide City Hall.
2-3-5 Muromachi, Sakaide
762-8601
Tel: 0877-44-5023
Email: kikikanri@city.sakaide.lg

Characteristics of a Tsunami

A tsunami surges repeatedly.
A tsunami surges repeatedly over several hours. The first wave isn't always the biggest. Even when the first wave recedes, stay away and DO NOT go home until the tsunami advisory is lifted.

A tsunami comes quickly.
The speed of a tsunami is said to be 800 km/h (497 mph) on seawater and 36 km/h (22 mph) on land. You cannot escape after a tsunami wave appears.

Even if the depth of water in the affected area is shallow, a tsunami is dangerous.
When a tsunami occurs, a powerful mass of water surges. Only 30 cm (11 in) depth of water will knock you down and even adults will be carried away.

In Case of Tsunami, Run Away by All Means. (What to remember when evacuating)

Evacuate even if the shaking of the earthquake is minimal.
If the shaking of earthquake is small but lasts a long time, a tsunami may occur. Even the shaking is small, stay alert. Especially when you are near the coast or river; evacuate first.

Evacuate on foot. (Don't use a car.)
If you evacuate by car, you may get involved in a traffic jam or otherwise get stuck, and this will delay your escape. Don't rush, keep calm and evacuate on foot.

Evacuate to an area out of the estimated flood area
It is estimated to take about 2 hours for a tsunami to reach Sakaide after an earthquake occurs. Use these 2 hours to evacuate to an area out of the estimated flood areas.

If you are in a building which is located within the estimated flood area by a tsunami, you will be isolated for long hours after water floods the area. You may also have to stay without drinking water, food, and any medical supplies if you are injured. In the case fire caused by the tsunami, you may not be able to find a place to evacuate. For your safety, it is crucial to evacuate to an area outside of the area expected to be affected. If you are delayed and a tsunami is sweeping toward you, evacuate to a strong building or higher area near you.

Designated Emergency Evacuation Sites for Tsunami

Designated Emergency Evacuation Site	Address	Telephone	Designated Evacuation Shelter
Sakaide Shogyo Koko (High School)	1-13 Aobacho	46-5671	○
Kanayama Shogakko (Elementary School)	3-1-23 Tanimachi	46-2329	○
Nishinosho Shogakko (Elementary School)	524-5 Nishinoshocho	46-2962	○
Hayashida Shogakko (Elementary School)	2215-1 Hayashidacho	47-0270	○
Hakuho Chugakko (Junior High School)	181-1 Hayashidacho	47-0211	○
Kamo Shogakko (Elementary School)	1098-3 Kamocho	48-0601	○
Fuchu Shogakko (Elementary School)	1193-3 Fuchucho	48-0610	○
Kawatsu Shogakko (Elementary School)	3093-3 Kawatsucho	46-3884	○
Sakaide Chugakko (Junior High School)	2-1 Koyamacho	46-1188	○
Kyu Ogoshi Shogakko (Former Elementary School)	1197-8 Kisawa, Ogoshicho	42-0102	○
Sei Shogakko (Elementary School)	1500-1 Seicho	46-9194	○
Sei Chugakko (Junior High School)	11 Bannosucho	46-9193	○
Manyo Kaikan Hall	70-1 Shamijima	46-9154	○
Yoshima Sogo Kaihatsu Center	514-22 Yoshimacho	43-0766	○
Iwakuro Shochugakko (Elementary and Junior High School)	240 Iwakuro	43-0104	○
Hitsuishi Shochugakko (Elementary and Junior High School)	585-17 Hitsuishi	43-0203	○
Nambu Kominkan (Community Center)	3-46 Ikezonochi	46-5480	○
Nishinosho Kominkan (Community Center)	456-9 Nishinoshocho	46-6731	○
Nishinosho Bunka Center (Culture Center)	1155-1 Nishinoshocho	46-5884	○
Hayashida Kominkan (Community Center)	636-5 Hayashidacho	47-0201	○
Kamo Kominkan (Community Center)	645-7 Kamocho	48-0350	○
Fuchu Kominkan (Community Center)	1145-6 Fuchucho	48-0101	○
Kawatsu Kominkan (Community Center)	4939 Kawatsucho	46-2553	○
Kawatsu Bunka Center (Culture Center)	6100 Kawatsucho	45-6824	○

Public facilities located estimated flood areas are designated as Designated Emergency Evacuation Sites for safety from a tsunami. They are intended for temporary evacuation and you should move to the designated evacuation shelters after the tsunami subsides. The facilities written as "Designated Evacuation Shelter" in the Remarks column also serve as evacuation shelters for those who cannot return to their homes because of a disaster. **Please note that Designated Emergency Evacuation Sites differ depending on kinds of disaster such as floods, mud disasters and more because suitable facilities for each disaster vary.**

Contacts for Disaster Related Facilities

Public Offices			Designated Emergency Hospitals		
Sakaide Shiyakusho (City Hall)	2-3-5 Muromachi	44-5022	Sakaide Shintsu Byoin (City Hospital)	3-1-2 Kobukicho	46-5131
Sakaide Shobosho (Fire Station)	1-17-23 Kumecho	46-0119	Kaisei Byoin	3-5-28 Muromachi	46-1011
Sakaide Keisatsusho (Police Station)	1204-1 Ejiricho	46-0110	Sei Marutin (St. Martin) Byoin	1-4-13 Tanimachi	46-5195
Sakaide Kaijohoansho (Coast Guard)	1-6-10 Itiunouchi	46-5999	Akazawa Byoin	325 Fuchucho	48-3200
Chusan Doboku Jimusho (Public Engineering Office)	1355 Ejiricho	46-3178	Nishiyama Noshinkeigeka (Neurosurgical Hospital)	533-1 Kamocho	48-3366

Obtaining Tsunami Warning & Evacuation Information

Obtain current information
When you evacuate to a safe place, obtain current information through TV, radio, disaster prevention information email and be ready for the next action.

Disaster Prevention Information Email
You can receive weather warnings and evacuation information through email. Register your email address in advance.

URL for Registration
<http://info.bousai-kagawa.jp>

QR Code for Registration

Tsunami Warning & Evacuation Information Conveyance Route

Japan Meteorological Agency (Tsunami Warnings) → City of Sakaide (Evacuation Information) → Sakaide Citizen (Tsunami Warnings, Evacuation Information)

Services provided to Sakaide Citizen:
TV / Radio / Internet, Emergency Information Prompt Report Email, Broadcast from Fire Corps Volunteer Stations, Emergency Information Prompt Report Email Disaster Prevention Information Email, TV / Radio, Internet, Public Announcement Vehicles, Fire Engines, Neighborhood Associations

How to Confirm Your Safety and Make Contacts in the Event of Disaster

There are some helpful services for safety notifications to be made between family members and friends when telephone connection problems occur in the wake of a disaster such as an earthquake. Practice these services with family members on trial service days.

NTT 171 Disaster Emergency Message Number
How to Record Messages: Landline Telephone Number of a Disaster Struck Area: **171+1+**
How to Play Back Messages: Landline Telephone Number of a Disaster Struck Area: **171+2+**

Disaster Message Board Service for Cell Phones
How to Post Messages: Select [Disaster Message Board] displayed on the TOP menu. Select [Register Message] from the [Disaster Message Board]. Enter comments up to 100 full-size or 200 half-size characters.
How to Check Messages: Select [Disaster Message Board] displayed on the TOP menu. Select [Confirm Message] from the [Disaster Message Board]. Enter the mobile phone number of the person whose status you wish to confirm.

Disaster Message Board App for Smartphones
A Disaster Message Board Service is provided to post safety notifications and check on family members and friends by smartphone or personal computer in the event of major disaster. The service includes notifying family members and friends by email whose mail addresses have been registered beforehand.

Earthquake Occurrence!
Take Appropriate Actions to React to the Earthquake (strong and long lasting shake).
Keep calm and protect yourself. Once the shaking is over, check yourself for injury and surrounding circumstances.

Evacuate to an Area Out of the Estimated Flooding Area.
Go to a safe place out of the expected area of inundation immediately. My temporary evacuation site is

Obtain Current Information.
When you evacuate to a safe place, obtain the current information such as tsunami warnings and other evacuation information through radio and cell phones. DO NOT go home until the tsunami warning or advisory is lifted. Consider evacuating to a safer place in case a bigger tsunami than expected comes.

When Tsunami Warning or Advisory is lifted.
If your home is secure, stay at your house. If you can't secure the safety of your house, stay at an evacuation shelter. My family will meet at

Evacuate immediately!
Start evacuating right after the earthquake subsides.
You will lose a chance to escape if you wait for information. If you wait for information from TV or radio, you may be delayed in escaping. When you feel the shaking, be sure to evacuate immediately and then confirm other information.
Be alert for levee failures
The shaking of earthquake may cause levee failures and sea water may run-up before a tsunami reaches the area. Evacuate quickly if you are near a river.
When a tsunami surges...
Try to evacuate to a strong building or higher place near you.

Tsunami Flooding Depth
Legend: 4-5m (13'-16'4"), 3-4m (9'10"-13'), 2-3m (6'6"-9'10"), 1-2m (3'3"-6'6"), 0.3-1m (11 in.-3'3"), 0.01-0.3m (0.25 in.-11 in.)

Examples
Designated Emergency Evacuation Site, Direction to Evacuate, Expressway, Major Highway, Altitude 3.0

What is a Tsunami Flooding Assumption?
It indicates the expected areas of flooding, the flooding depth and so on, caused by the largest scale tsunami accompanied by the Nankai Trough Megathrust Earthquake, happening under the following conditions.
Expected Earthquake: Nankai Trough Megathrust Earthquake
Maximum Tsunami Height: T.P. (Tokyo Peil) = 2.8 m (9'2") (Port of Sakaide)
Ground Level: Subsidence and liquefaction
Tidal Height: Flood high tide (T.P. = 1.592 m (5'2"))
Coastal Structure: Breakwater and flood gates don't function due to the damage caused by earthquake and liquefaction.
Breakwater / Revetment: All structures collapse.
River Levee: 25 % of the levee height remains.
Flood Gate: Open

Designated Emergency Evacuation Sites

Name	Address	Telephone
Yoshima Sogo Kaihatsu Center	514-22 Yoshimacho	43-0766
Iwakuro Shochugakko (Elementary and Junior High School)	240 Iwakuro	43-0104
Hitsuishi Shochugakko (Elementary and Junior High School)	585-17 Hitsuishi	43-0203

This map is based on the area expected to be inundated described in "The First Public Report of Kagawa Prefecture Earthquake / Tsunami Damage" (March 31, 2013).