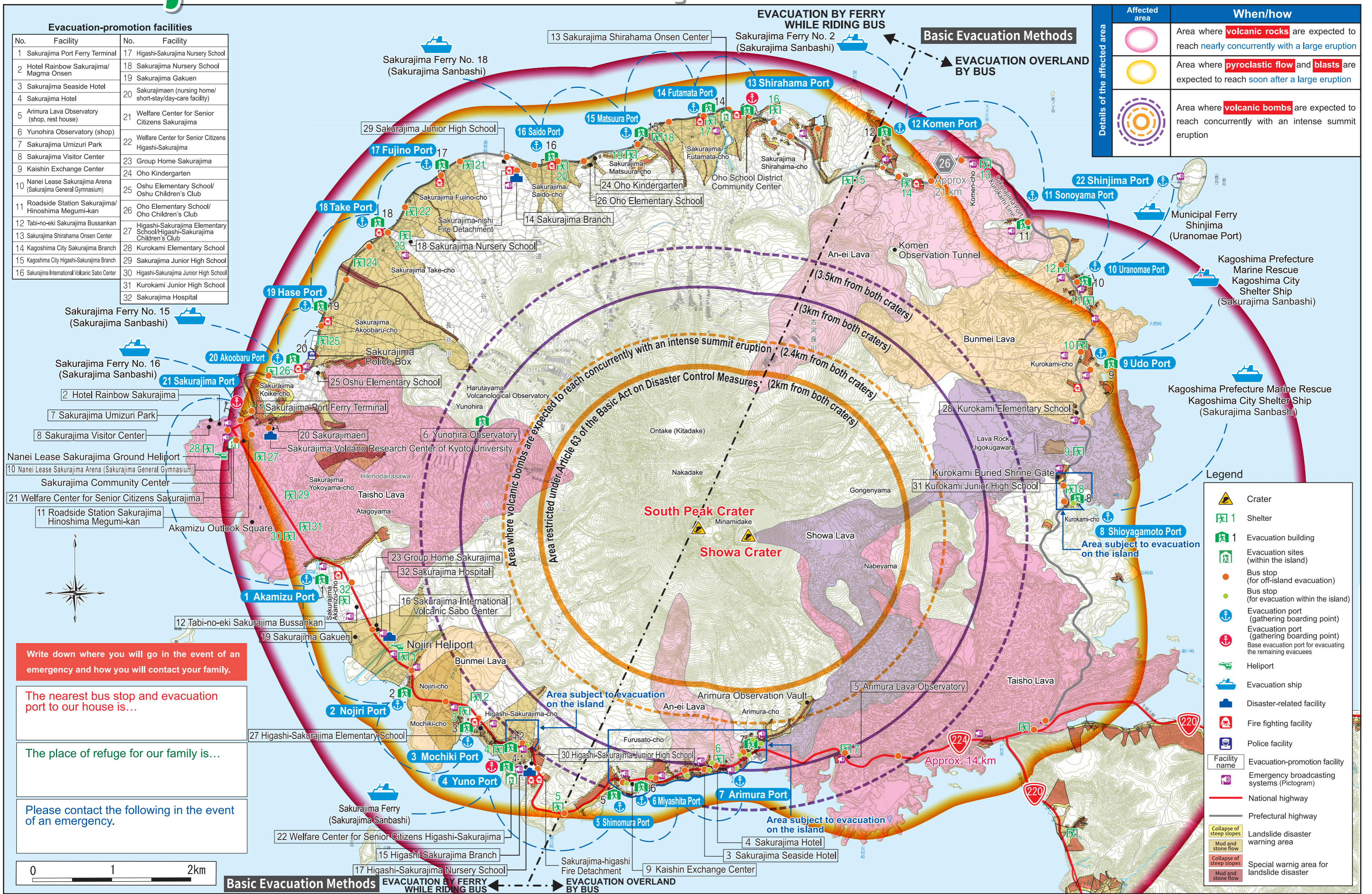


Sakurajima Volcano Hazard Map

Purpose of the map

The Sakurajima Volcano Hazard Map is intended to assist local residents in the event that they need to evacuate during emergencies, and it is used for encouraging daily preparedness by providing information with which they can familiarize themselves with the aftermaths of previous major eruptions of Sakurajima as well as future dangers expected to occur during volcanic disasters. Please post this sign in plain view. It is advisable for local residents to discuss actions for local citizens to take during emergencies and to pay attention to precursory phenomena and eruptive activities.



Volcanic alert levels and disaster prevention measures

Levels	Expected volcanic activity	Evacuation information issued by the City	Action to be taken by residents etc.	Evacuees
5 (Evacuation)	Eruption or imminent eruption that may cause serious damage in residential areas and non-residential areas nearer the crater.	Evacuation order	Evacuate from the danger zone.	Everyone
4 (Evacuation of the elderly etc.)	Possibility or increasing possibility of eruption that may cause serious damage in residential areas and non-residential areas nearer the crater.	Evacuation of the elderly etc.	Have disabled people evacuate. Prepare to evacuate from alert area.	Those who need time to evacuate, such as the elderly (*Other residents prepare for evacuation)
3 (Restriction on proximity to the volcano)	Eruption or possibility of eruption that may severely affect places near residential areas (possible threat to life in such areas).	※ The city's orders will be notified via the Disaster Prevention Administrative Radio, fire trucks, TV and radio, SNS, etc. ※ Please pay attention to the information from the city, as evacuation within the island with limited areas is expected. ※ Normally, Eruption Alert Level 3 (Restriction on proximity to the volcano) : Stand by and pay attention to changes in volcanic activity. Have disabled people prepare to evacuate in line with current volcanic activity.		
2 (Restriction on proximity to the crater)	Eruption or possibility of eruption that may affect areas near the crater (possible threat to life in such areas).			
1 (Potential for increased activity)	Calm: Possibility of volcanic ash emissions or other related phenomena may occur in the crater (possible threat to life in the crater).			

Volcanic disasters of Sakurajima

Photos provided by the Disaster Prevention Research Institute of Kyoto University, Kagoshima Local Meteorological Observatory and the Osumi Office of Rivers and National Highways

Volcanic bomb	During an eruption, fragmented rocks and pumice are expelled from the crater. Many are projected as far as a few kilometers from the crater. Boulders a meter or more in diameter can blast out.	Pyroclastic flow	A mixture of high-temperature gas, ash and rocks spills down the mountain slope at 100 km/hour or faster.
Lava flow	Lava overflowing from a crater moves down along the slope. Though it flows slowly, the lava completely burns and buries the flow area. (Photo: Izuoshima, 1986)	Debris flow	When volcanic ash has deposited on a mountain slope, subsequent rainfall is likely to cause a debris flow.
Volcanic ash	Windborne volcanic ash falls and accumulates. In the Taisho eruption, more than 1m of deposit was recorded within a radius of 15km from the crater. *Effects of volcanic ash by deposition thickness (Various effects are expected even for thicknesses of only several centimeters or less.) 30-45cm : Wet ash may cause wooden houses to collapse. 45-60cm : Dry ash may cause wooden houses to collapse.	Earthquakes	After a large-scale eruption, a strong earthquake of 6 or more on the Japanese seismic intensity scale may occur in Kagoshima City and its environs.

Major eruptions in the past, and recent volcanic activity

Eruption Name	Year	Description
Bunmei eruption	(1476)	Lava flowed from the northeast side in 1471 and formed the Omoezaki (Kurokami) area. An explosive eruption occurred in 1476, followed by lava flow from the southwest side, resulting in the formation of the Moezaki (Nojiri) area.
An-ei eruption	(1779)	Flank eruptions on the south and northeast sides, accompanied by lava flow, caused 148 deaths. A submarine eruption occurred northeast of Sakurajima, creating Shinjima and other islands.
Taisho eruption	(1914)	Eruptions occurred on the east and west flanks of Sakurajima. Lava flows connected Sakurajima with the Osumi Peninsula. Volcanic ash reached Kamchaka and the Ogasawara islands. An earthquake with a Richter magnitude of 7.1 occurred on the Satsuma Peninsula. Fifty-eight people died or went missing.
Showa eruption	(1946)	An eruption occurred on the east side (Showa crater). Lava flows reached the shoreline of Kurokami and Arimura. One person died.
Eruptions since 1955		From 2006 to 2017, Showa Crater erupted. South Peak Crater continues to erupt. There are a large volcanic bombs falling and a lot of damage from volcanic ash, debris, and mudslides.

- After every major eruption of Sakurajima, new craters have formed on the flanks, and the lava flow areas differ from eruption to eruption. Craters tend to form on both flanks of the summit.
- In the event of a large-scale eruption, the entire island is expected to be in danger, so it is important to follow evacuation information and evacuate the island before a massive eruption begins. Also, depending on the wind direction, a large amount of volcanic ash may fall on the downtown side, so please pay careful attention to weather information and prepare for evacuation.

Evacuation procedures

Evacuation within the island (Intensification of eruption)
Target area: Areas of residence that require alertness. Refer to the table below.

Bus and private car [Evacuation bus stop] Designated ride point	Bus and private car [Evacuation bus stop] Nearest bus stop	Bus and private car [Evacuation bus stop] Nearest bus stop
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Evacuation sites (within the island)

- Welfare Center for Senior Citizens Higashi-Sakurajima
- Sakurajima Shirahama Onsen Center
- Welfare Center for Senior Citizens Sakurajima
- Sakurajima Community Center

Off-island evacuation (in case of a major eruption)
Target area: (entire island)

Basic Evacuation Methods

- In case the ferry cannot be used due to typhoon, etc.
- In case cars (buses and private cars) cannot be used due to road closure, etc.

Ferry and rescue ship

(Gathering boarding point) Evacuation port · Evacuation houses

Temporary evacuation sites for a wide area

- Tarunizumi City Central Athletic Park
- Kinshima City Athletic Park

Evacuation sites (off-island, short-term)

City side: determined by the city, taking into account the wind direction

Evacuation sites (off-island, mid- to long-term)

In case a long-term evacuation is required

City side: public accommodations, temporary housing, etc.

Expected areas of evacuation on the island

Volcanic disasters	Warning area, etc.	Target area of evacuation
Possibility of large volcanic bombs and pyroclastic flows from the crater	3 km from the crater	Arimura-cho, and part of Furusato-cho
Possibility of pyroclastic flows from the crater	3.5km from the crater	Arimura-cho, Furusato-cho, and part of Higashi-Sakurajima-cho
		Kurokami-cho Shioyagamoto area

Evacuation sites (within the island)

- Welfare Center for Senior Citizens Higashi-Sakurajima for the Arimura and Furusato Higashi areas, and Sakurajima Shirahama Onsen Center for the Shioyagamoto area.
- Welfare Center for Senior Citizens Sakurajima and Sakurajima Community Center for the Furusato Nishi and part of Higashi-Sakurajima-cho.

Daily preparedness

The evacuation period may be prolonged.

Emergency kit

- Helmet, flashlight, etc.
- Change of clothes, eyeglasses, medicine
- Valuables, food, water

NTT Disaster Emergency Message Phone Line

Dial 171, and follow the guidance to record/play your message.

Precursory phenomena

In the event of any abnormal phenomena, contact the following.

Frequent earthquakes in the same day
Underground rumbling
Abnormal water levels and temperatures of well-water and hot springs
Fumes, increased ground temperatures and ground fissures
The withering of standing plants and trees

Contact	Phone Number
Kagoshima City	099-293-2346
Kagoshima City Registration Division	099-221-2111
Kagoshima City Crisis-Management Division	099-216-1489
Fire station (119)	099-245-2099
Sakurajima-higashi Fire Detachment	099-221-3119
Police (110)	099-293-2702
Sakurajima Police Box	099-293-2702
Meteorological office (Volcano Monitoring Room)	099-250-9916

Sakurajima monitoring camera

Images from surveillance cameras at Sakurajima can be viewed on the websites of the Japan Meteorological Agency and the Osumi Office of Rivers and National Highways.

Through PC or Smartphone

Sakurajima Surveillance Camera Search