

# Nagano City Flood Hazard Map ①

Scale of heavy rain assumed		
Chikuma River	396mm in 2 days (for the entire basin)	Once-a-millennium level extreme rainfall (Occurring within one year)
Saigawa River	396mm in 2 days (for the entire basin)	Once-a-millennium level extreme rainfall (Occurring within one year)
Hirukawa River	813mm in 24 hours (for the entire basin)	Once-a-millennium level extreme rainfall (Occurring within one year)
Okada, Hijiri and Kanda rivers		Once-a-century level extreme rainfall

### Map Key

	Landslide disaster alert area
	Landslide disaster special alert area
	Housing Collapse zone (flooding)
	Housing Collapse zone (bank erosion)
	Railways (JR/private railways)
	National/prefectural roads
	Municipal borders
	Police stations/police substations/police boxes
	Fire stations/fire substations
	City office/branch offices (liaison offices)
	Hospitals
	Facilities for people in need of special assistance
	Water-level observation point
	Live cameras
	Rainfall observation stations
	Warehouses for emergency supplies and warehouses for anti-flooding materials
	Disaster administrative radios
	Underpasses
	Main drainage pumping stations
	Predicted flood zones during Once-a-century level extreme rainfall (Data from the Chikuma and Saigawa river basins combined)

### Evacuation Center Key

	Designated emergency evacuation centers
	Designated emergency evacuation centers with shelter
	Flood disasters
	Landslide disasters
	Earthquake disasters

During emergencies, evacuation is possible to places with one of marks shown above. The following marks show which type of disaster an evacuation center should be used for.

Types of disasters

### List of Evacuation centers

Check the latest information on the Nagano City website.

Designated emergency evacuation centers Outdoor locations such as school playgrounds and other open spaces in case of an earthquake	Also provide shelter	Disasters that may require evacuation Landslide disasters (requirements for evacuation)	Flooding (requirements for evacuation)
Matsugaoka E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amori Gymnasium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shinonoi-Nishi J.H.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shinonoi H.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sarashina Nogyo H.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tsumei E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shinonoi Shisho-Mae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nagano Shun-ei H.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shinonoi Chuo Park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shiozaki Gymnasium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shiozaki E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Komatsubara Gymnasium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kyowa E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
College of Career Kyowa (North Schoolyard)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shinonoi Gymnasium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shinonoi-Nishi E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shinonoi-Higashi J.H.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nanbu Working Youth Home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shinonoi-Higashi E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nagano Pref. Fire Academy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minami-Nagano Sports Park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nobusato E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gassenba Park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kiyono E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kawanakajima J.H.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kawanakajima Town Community Center	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Showa E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dream Motor Sch., Showa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mikuriya Park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kawanakajima Gymnasium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kawanakajima E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Higano Park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kawanakajima Kosenjo Historic Park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shimo-Higano E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kotoku J.H.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nagano-Minami H.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shinko E.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shinko J.H.S.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sanbonyanagi Chuo Park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Flood Water Depth Key

Chikuma, Saigawa and Hirukawa rivers Estimated maximum rainfall (I-2)	Okada, Hijiri and Kanda rivers Estimated scales of rainfall (I-1)

● The flooding assumed in this map is based on data integrating the extent and depth of flooding in predicted flood zones designated and announced by the national and Nagano prefectural governments.

● Please refer to the Flood Water Depth Key for information about flooding depths.

● Rainfall exceeding our estimations, flooding of small and medium sized rivers, and flooding within the levee have not been included in these predictions. This may cause areas outside the ones depicted on this map to flood, or to flood to a different depth than predicted.

● Warning: houses outside of designated housing collapse zone may still collapse.

● The predicted flooding areas shown in this map are based on information created by integrating data on the Chikuma and Saigawa rivers managed by the Chikuma River Office, Hokuriku Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism, and data on the Okada, Hijiri, Hirukawa and Kanda rivers managed by Nagano Prefecture.

● This map shows the approximate locations of facilities for people in need of special assistance as of September 30, 2018.

● The names of the facilities listed on this hazard map were translated from Japanese, therefore there may be a discrepancy in the transcribed English names.

● This map was created by reproducing the Chikuma City Urban Planning Basic Map (in 1:25,000 and 1:10,000 scales) published by Chikuma City, (Approval No. 30第 No.183)

● With approval from the Nagano City Mayor, this map was created by reproducing the Nagano City Basic Map for Urban Planning (in 1:2,500 scale) and the Nagano City Topographical Map (in 1:10,000 scale) (Approval No. 30第 No.590)

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