

# Nagano City Flood Hazard Map ②

## 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)

## List of Evacuation centers

Designated emergency evacuation centers		Also provide shelter		Disasters that may require evacuation		Designated emergency evacuation centers		Also provide shelter		Disasters that may require evacuation	
Outdoor locations such as school playgrounds and other open spaces in case of an earthquake				Landslide disasters (requirements for evacuation)	Flooding (requirements for evacuation)	Outdoor locations such as school playgrounds and other open spaces in case of an earthquake				Landslide disasters (requirements for evacuation)	Flooding (requirements for evacuation)
Kamo E.S.						Kiyono E.S.					
Shinshu University Faculty of Education Sports Ground						Nagano Sports Park					
Himawari Park						Tobu J.H.S.					
Seibu J.H.S.						Asakawa E.S.					
Joyama E.S.						Hokubu J.H.S.					
Yanagimachi J.H.S.						Manejima E.S.					
Nagano H.S. Sports Ground						Manejima Community Center					
Yuya E.S.						Manejima Gymnasium					
Joyama Park						Manejima Park					
Nagano-Nishi H.S.						Gocho Hall (Branch of Chubu Community Center)					
Multi-purpose (emergency) Sq. (Sakura Sq.)						The University of Nagano Gocho Campus Sports Ground					
Nagano City Art museum						Nagano-Higashi H.S.					
Nanbu E.S.						Tobu Joka (Wastewater Treatment) Center 4th Floor Meeting Room					
Education Center						Asahi E.S.					
Nabeyata E.S.						Olympic Memorial Arena (M-Wave)					
Nagano Shogyo H.S.						Nagano Sch. for the Blind					
Prefectural Main Office North-side Sq. (Iko-no-Hiroba Sq.)						Amori E.S.					
Sanno E.S.						Susobana J.H.S.					
Susobana E.S.						Susobana Gymnasium					
Sairyo J.H.S.						Matsugaoka E.S.					
Bunka-Gakuen Nagano J.H.S. & H.S. Sports Ground						Amori Gymnasium					
Serita E.S.						Saigawa Ryokuchi area					
Wakasato Park						Nagano-Kogyo Technical H.S.					
Shinshu University Faculty of Engineering Sports Ground						Kamatsubara Gymnasium					
Nagano-Eki Higashi-guchi Park						Kyowa E.S.					
Sanyo J.H.S.						College of Career Kyowa (North Schoolyard)					
Midorigaoka E.S.						Terao E.S.					
Komaki E.S.						Higano Park					
Sakuragaoka J.H.S.						Sanbonyanagi Chuo Park					
Sanju Park						Aokijima E.S.					
Nagano Nihon Univ. J.H.S. & H.S. Sports Ground #1						Kohoku J.H.S.					
Wada Park						Mashima E.S.					
Joto E.S.						Aqua Pal Chikuma Sports Sq.					
Miwa E.S.						Kawanakajima Kosenjo Historic Park					
Miwa Gymnasium						Shimo-Higano E.S.					
Miwa Park						Nagano-Higano E.S.					
Nagano Yoshida H.S. Sports Ground #1						Nagano-Minami H.S.					
Yoshida E.S.						Sanbonyanagi E.S.					
						Nagano Pref. Fire Academy					

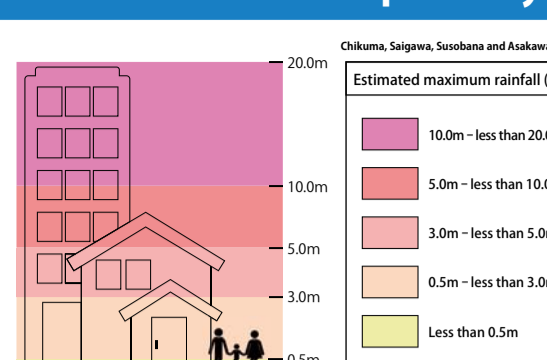
## Evacuation Center Key

- Designated emergency evacuation centers
- Designated emergency evacuation centers with shelter

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

- Flood disasters
- Landslide disasters
- Earthquake disasters

## Flood Water Depth Key



## Scale of heavy rain assumed

Chikuma River	396mm in 2 days (for the entire basin)
Saigawa River	396mm in 2 days (for the entire basin)
Susobana River	660mm in 24 hours (for the entire basin)
Asakawa River	766mm in 24 hours (for the entire basin)

Once-a-millennia level extreme rainfall (Occurring within one year)

- 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 Susobana and Asakawa 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都 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都 No.590)

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