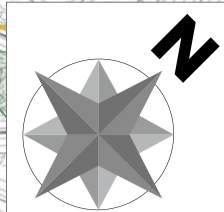


Nagano City Flood Hazard Map④



● 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 Torii, Asakawa and Susobana 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.
 ● 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)

Inquires: Risk Management and Disaster Prevention Division, General Affairs Department, Nagano City Office
 Phone: (026)224-5006

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)
Torii River	715mm in 24 hours (for the entire basin)
Asakawa River	766mm in 24 hours (for the entire basin)
Susobana River	660mm in 24 hours (for the entire basin)

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

Evacuation Center Key

Designated emergency evacuation centers
 Designated emergency evacuation centers with shelter
 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.

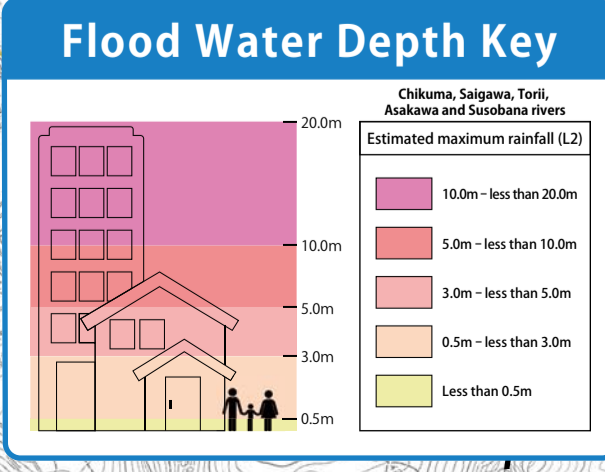
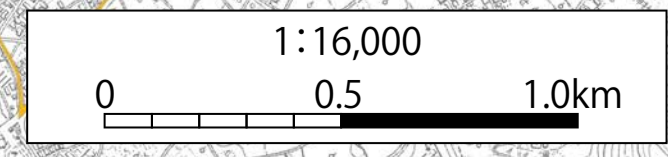
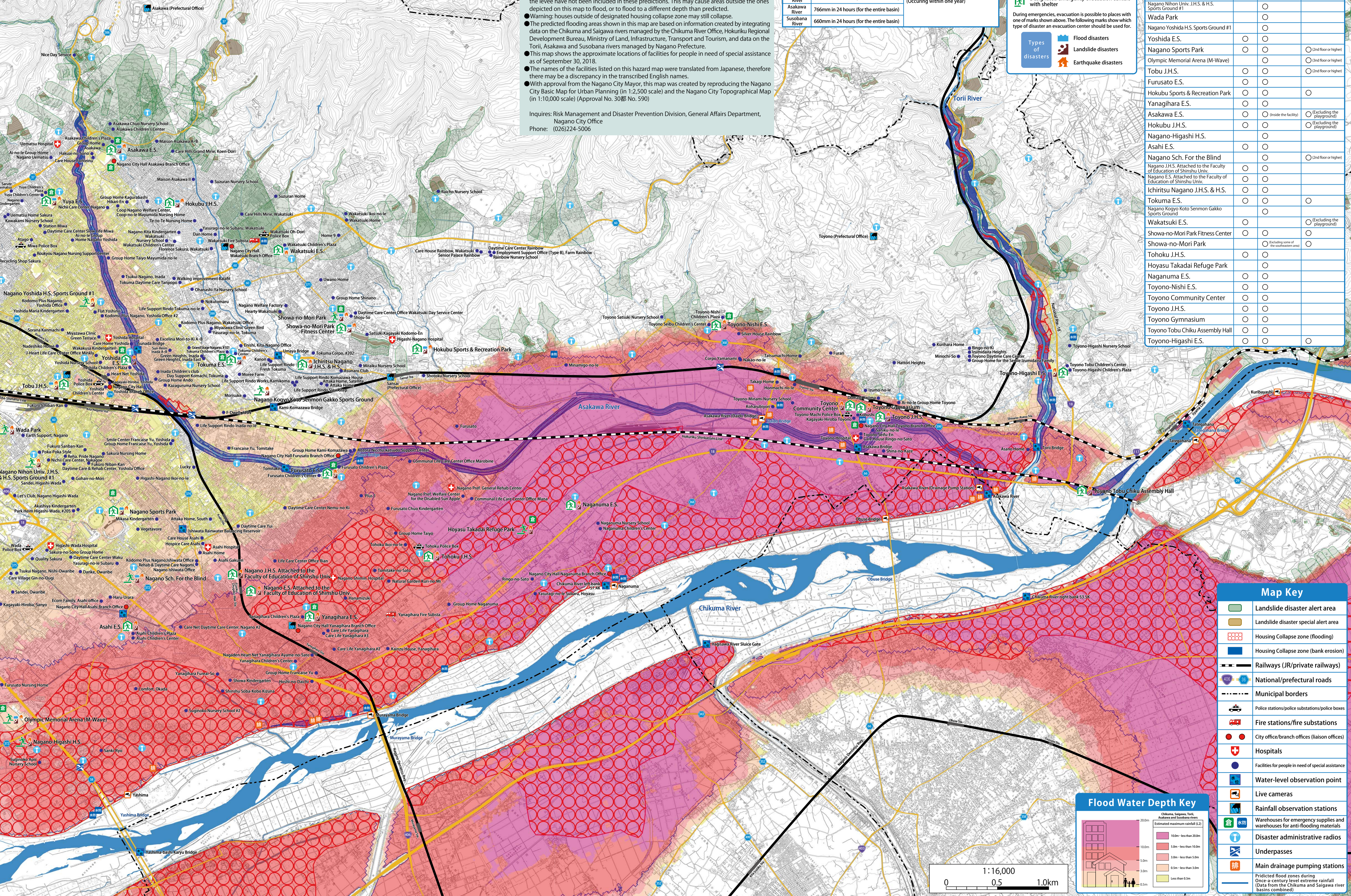
Types of disasters

- Flood disasters
- Landslide disasters
- Earthquake 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 earthquake	Also provide shelter	Disasters that may require evacuation
		Landslide disasters (Requirements for evacuation)
Yuya E.S.	<input type="checkbox"/>	<input type="checkbox"/> (2nd floor or higher)
Nagano Nihon Univ. J.H.S. & H.S. Sports Ground #1	<input type="checkbox"/>	<input type="checkbox"/>
Wada Park	<input type="checkbox"/>	<input type="checkbox"/>
Nagano Yoshida H.S. Sports Ground #1	<input type="checkbox"/>	<input type="checkbox"/>
Yoshida E.S.	<input type="checkbox"/>	<input type="checkbox"/> (2nd floor or higher)
Nagano Sports Park	<input type="checkbox"/>	<input type="checkbox"/> (3rd floor or higher)
Olympic Memorial Arena (M-Wave)	<input type="checkbox"/>	<input type="checkbox"/> (3rd floor or higher)
Tobu J.H.S.	<input type="checkbox"/>	<input type="checkbox"/> (2nd floor or higher)
Furusato E.S.	<input type="checkbox"/>	<input type="checkbox"/>
Hokubu Sports & Recreation Park	<input type="checkbox"/>	<input type="checkbox"/>
Yanagihara E.S.	<input type="checkbox"/>	<input type="checkbox"/>
Asakawa E.S.	<input type="checkbox"/> (inside the facility)	<input type="checkbox"/> (Excluding the playground)
Hokubu J.H.S.	<input type="checkbox"/>	<input type="checkbox"/> (Excluding the playground)
Nagano-Higashi H.S.	<input type="checkbox"/>	<input type="checkbox"/>
Asahi E.S.	<input type="checkbox"/>	<input type="checkbox"/>
Nagano Sch. For the Blind	<input type="checkbox"/>	<input type="checkbox"/> (2nd floor or higher)
Nagano J.H.S. Attached to the Faculty of Education of Shinshu Univ.	<input type="checkbox"/>	<input type="checkbox"/>
Nagano E.S. Attached to the Faculty of Education of Shinshu Univ.	<input type="checkbox"/>	<input type="checkbox"/>
Ichiritsu Nagano J.H.S. & H.S.	<input type="checkbox"/>	<input type="checkbox"/>
Tokuma E.S.	<input type="checkbox"/>	<input type="checkbox"/>
Nagano Kogyo Koto Senmon Gakko Sports Ground	<input type="checkbox"/>	<input type="checkbox"/>
Wakatsuki E.S.	<input type="checkbox"/>	<input type="checkbox"/> (Excluding the playground)
Showa-no-Mori Park Fitness Center	<input type="checkbox"/>	<input type="checkbox"/>
Showa-no-Mori Park	<input type="checkbox"/>	<input type="checkbox"/> (Excluding some of the southern area)
Tohoku J.H.S.	<input type="checkbox"/>	<input type="checkbox"/>
Hoyasu Takadai Refuge Park	<input type="checkbox"/>	<input type="checkbox"/>
Naganuma E.S.	<input type="checkbox"/>	<input type="checkbox"/>
Toyono-Nishi E.S.	<input type="checkbox"/>	<input type="checkbox"/>
Toyono Community Center	<input type="checkbox"/>	<input type="checkbox"/>
Toyono J.H.S.	<input type="checkbox"/>	<input type="checkbox"/>
Toyono Gymnasium	<input type="checkbox"/>	<input type="checkbox"/>
Toyono Tobu Chiku Assembly Hall	<input type="checkbox"/>	<input type="checkbox"/>
Toyono-Higashi E.S.	<input type="checkbox"/>	<input type="checkbox"/>



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-millennia level extreme rainfall (Data from the Chikuma and Saigawa river basins combined)