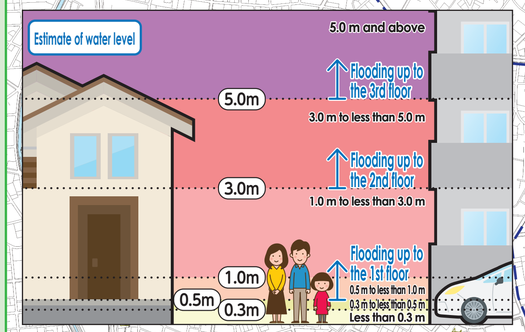
As of June, 2022

Dam Failure Hazard Map Tempaku Ward

0 500 1,000m
1 : 10,000



Flood depth

- 10.0 m and above
- 5.0 m to less than 10.0 m
- 3.0 m to less than 5.0 m
- 1.0 m to less than 3.0 m
- 0.5 m to less than 1.0 m
- 0.3 m to less than 0.5 m
- Less than 0.3 m

Showa Ward
Meito ward
Mizuho Ward
Minami Ward
Midori Ward
Nisshin City
Togo Town

Ueda River
Ueda Kita
Ueda
Otsubo
Omoteyama
Ueda Minami
Ueda Higashi
Tempaku River
Yagoto Higashi
(For pedestrians)
Hirabari Kita
Hammori River
Tempaku Ward Office
Tempaku
Hara
Otsutsumi Pond
Hirabari
One Pond (Tempaku)
Shin-ike Pond (Shimada)
Futago Pond
Yamane
Shimada
Ara-ike Pond
Takasaka
Hirabari Minami
Nonami
Aioi
Goshiki River
Fujikawa River

15 minutes
10 minutes
5 minutes
3 minutes
1 minute

(Descriptions)

- The flooding shown in the map, including the inundation areas, flooding depth, and the time until flooding were calculated using simulations of what would be expected if the dam levee were to fail due to a natural disaster such as an earthquake.
- The inundation area was calculated assuming that the dam collapses at standard water levels.
- The inundation area as well as the depth and the time until flooding are only assumptions. Flooding may occur at a larger scale depending on a variety of factors.
- This map by no means aims to imply that the dams shown here pose an immediate threat.
- The map has been created based on the results of simulations conducted by Nagoya City.

(In case you see anything unusual around the dam)

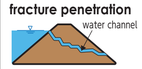
- Please secure your own safety if the dams show unusual activity or if the city sends an evacuation alert that indicates risk of a disaster due to dam failure.
- Cracks in the levee, water bursting out our the levee, etc. are signs of possible dam failure that can be seen before a dam collapses.

(Main types of dam failure)

Sliding failure

Sliding failure happens when dams shake due to an earthquake or when water or rain stored in them penetrates them, making them slide and collapse.

fracture penetration



Cracks in a dam gradually become larger. They eventually turn into water channels that cause dams to collapse.

The shaded areas are outside Nagoya City. (No flood depth given)

Legend

- Time until flooding after a dam collapses [The text in the brackets ( ) shows the name of the pond of the upstream]
- Underpass Areas where heavy rain will cause roads to be flooded and closed to traffic.
- Landslide Disaster (Special) Warning Zone Areas where landslides may occur.
- Ward boundary
- School district boundary [School districts are approximate.Please contact the respective ward office for further information.]
- Ward office
- Branch
- Ⓐ Fire station

We used the basic urban planning maps used between 2015 and 2016 to create this map.Corrections were made accordingly.
We used the urban planning maps of the following places with their consent: Togo Town and Nisshin City.(Approval numbers – Togo-cho: 東計発42, and Nisshin City: 3日都256)
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