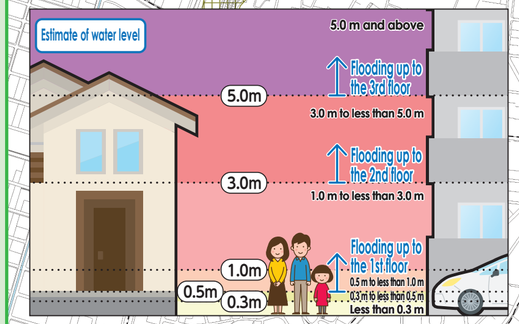
As of June, 2022

Dam Failure Hazard Map Midori Ward

0 500 1,000m
1 : 10,000

N



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

(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)

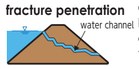
- Please secure your own safety if the dams show unusual activity or if the city sends an evacuation alert that indicates risk of a disaster due to dam failure.
- Cracks in the levee, water bursting out our the levee, etc. are signs of possible dam failure that can be seen before a dam collapses.

(Main types of dam failure)

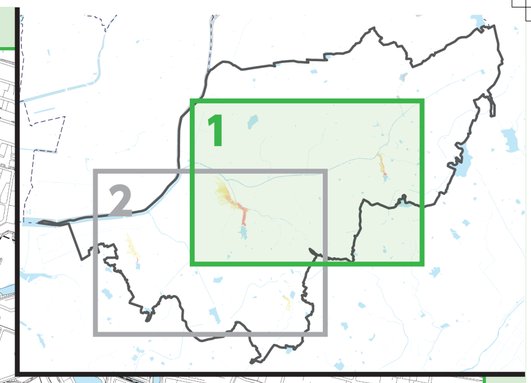
Sliding failure

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.



Joan
Takinomizu
Tokushige
Katahira
Asahide
Asahide River
Takinomizu River
Kosaka
Ogi River
Narumi
Narumi-tobu
Mizuhiroge River
15 minutes
10 minutes
5 minutes
3 minutes
1 minute
Mizuhiroge Pond
Oshimizu
30 minutes
Tekoshi River
15 minutes
10 minutes
5 minutes
Midori
Hirako
Aibara
Higashigaoka
Midori Ward Office
3 minutes
1 minute
Nakahirabu River
Arimatsu
Biwaga-ike Pond
Taikoden River
Taishi
(For pedestrians)
Odaka Kita
The shaded areas are outside Nagoya City.
(No flood depth given)
Toyoake City

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: Toyoake City.(Approval number – 豊都180)
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