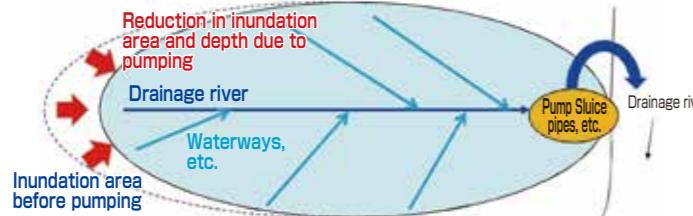


An estimate of the length of time that flooding will exceed a 50 cm depth, a low

An estimate of the length of time that flooding will exceed a 50 cm depth, a level that makes evacuation difficult. This information can be used when deciding if you need to evacuate (horizontal evacuation). In areas where the inundation duration may be prolonged, if residents do not evacuate, they may become isolated as outdoor evacuation becomes difficult, causing disruptions to daily life, such as the inability to use electricity, gas, water, or toilets. Those residing in areas with a risk of extended inundation duration should evacuate in advance. It is also important to stock up on emergency food and supplies based on the anticipated inundation duration.

Shows estimated amount of time that inundation levels will be over 0.5 m, based on simulated flooding due to embankment failure.

- The inundation duration is an estimate of the period of time during which flooding will exceed a certain depth (0.5 m) that makes evacuation difficult.
- A large river (tributary) within the flood area is selected as the "drainage river". Then we show over time the progress of drainage from the area within the embankment into the drainage river, due to floodwater drainage, pump drainage, and other means.
- The drainage facilities that are operated are existing drainage stations and sluice gates (sluice gates, sluiceways/slue pipes), which are able to provide reliable drainage during anticipated levels of flooding.



Drainage River and Drainage Facilities (Example Only)

Source: From "Yodo River Estimated Flood Inundation Area", by the Yodo River Office, Ministry of Land, Infrastructure, Transport and Tourism

This map illustrates the flood risk zones in the Kizu River area. The blue shaded areas represent high-risk zones, while yellow shaded areas represent medium-risk zones. The Kizu River (Kizu River) flows through the center of the map, with several tributaries and sluices. Key landmarks include Kizugawadai Stn., Yamadagawa Stn., and Nishi-Kizu Stn. The Nagata Outlet Sluice (Municipal) is located near the river's mouth. The Yamaminami-Isekigawa-1 Water Level Observatory is situated in the high-risk blue zone. The Isekigawa Siphon Sluice (Prefectural) is also marked. The map also shows the Yamashiro Koban (Police Box) and the Yamashiro-cho-Kamikoma area. Various schools, kindergartens, and nurseries are marked with green icons. The Kizu Welfare Center for the Elderly is located in the Kizu Town area. The map also includes labels for Yamada, Seika Town, and Haze. The Gakkentoshi line is a railway line running through the area. The Yamashiro-cho-Kamikoma area is shown in the top right corner.

underpass that is at
risk of flooding
Water Level Observatory
CTV camera
rainfall observatory

Duration of inundation	 Up to less than 12 hours  Up to less than 24 hours  Up to less than 3 days  Up to less than 7 days
------------------------	--