

Suita City Flood Hazard Map

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- Legend of facilities etc.**
- Evacuation shelters and Designated emergency evacuation shelters
 - Fire stations & outposts
 - City Hall and city government outposts
 - Disaster-prevention administrative wireless system (loudspeakers)
 - Buildings for evacuation in the event of tsunami & floods
 - Underground passages
 - River camera
 - Water level observation station

- Landslide disaster (special) warning districts**
- Collapse of steep slopes
 - Landslide disaster special warning districts
 - Landslide disaster warning districts

- Estimated flood and inundation districts**
(Area where inundation has occurred in the past)
- 10.0 - less than 20.0 m
 - 5.0 - less than 10.0 m
 - 3.0 - less than 5.0 m
 - 1.0 - less than 3.0 m
 - 0.5 - less than 1.0 m
 - 0.3 - less than 0.5 m
 - Less than 0.3 m

Flood-induced House Collapse and Flow-out Risk Areas
Areas where early evacuation is necessary due to the risk of houses being washed away or collapsing during floods

In Suita City, there is a risk of riverbank erosion that could wash away the ground supporting the foundations of houses

- Inundation depth guidelines**
- 9.0 m or more
 - 3.0 - less than 9.0 m
 - 1.0 - less than 3.0 m
 - 0.5 - less than 1.0 m
 - 0.3 - less than 0.5 m
 - Less than 0.3 m



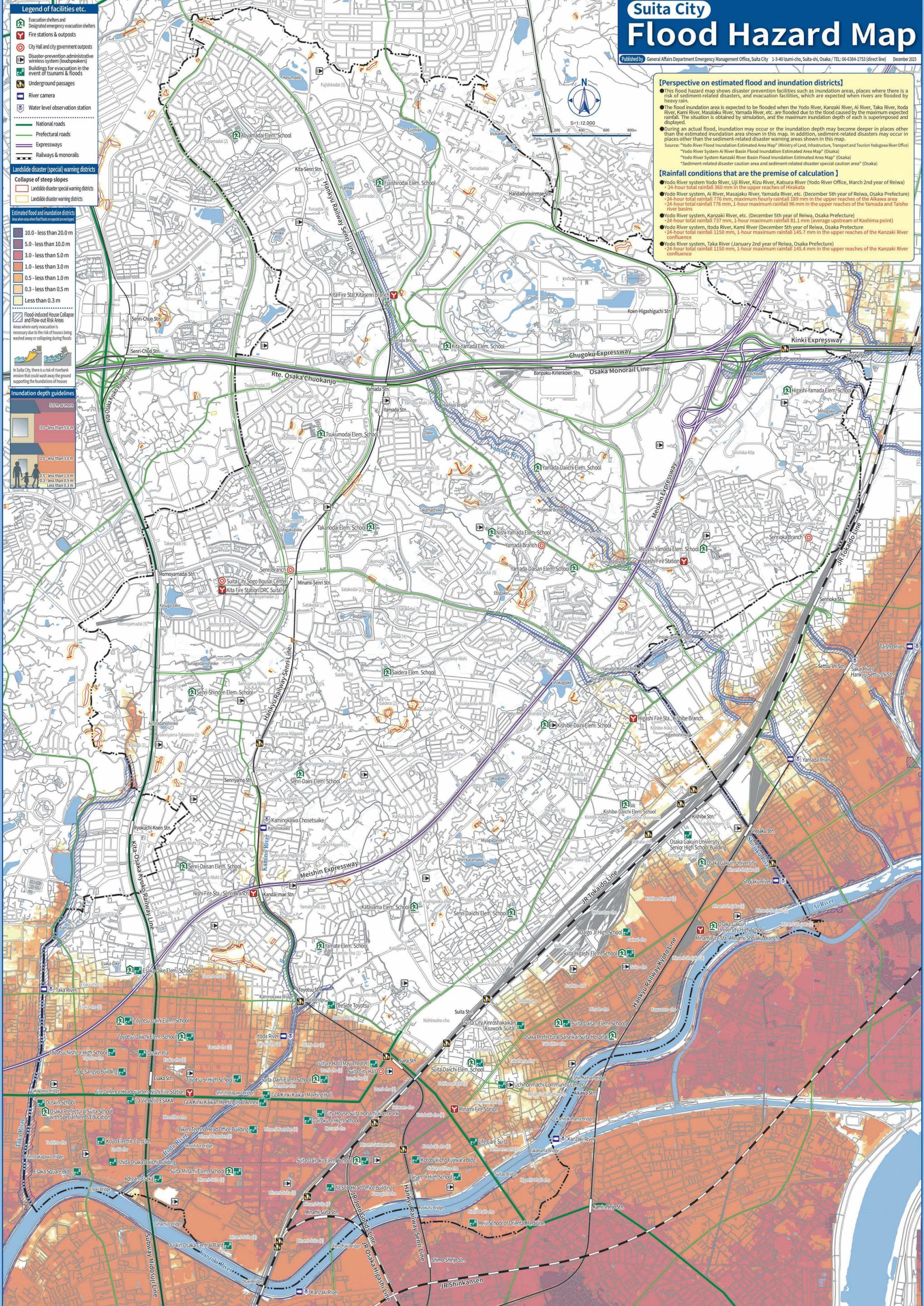
[Perspective on estimated flood and inundation districts]

- This flood hazard map shows disaster prevention facilities such as inundation areas, places where there is a risk of sediment-related disasters, and evacuation facilities, which are expected when rivers are flooded by heavy rain.
- The flood inundation area is expected to be flooded when the Yodo River, Kanzaki River, Ai River, Taka River, Itoda River, Kami River, Masakura River, Yamada River, etc. are flooded due to the flood caused by the maximum expected rainfall. The situation is obtained by simulation, and the maximum inundation depth of each is superimposed and displayed.
- During an actual flood, inundation may occur or the inundation depth may become deeper in places other than the estimated inundation area shown in this map. In addition, sediment-related disasters may occur in places other than the sediment-related disaster warning areas shown in this map.

Source: "Yodo River Flood Inundation Estimated Area Map" (Ministry of Land, Infrastructure, Transport and Tourism Yodogawa River Office)
"Yodo River System Ai River Basin Flood Inundation Estimated Area Map" (Osaka)
"Yodo River System Kanzaki River Basin Flood Inundation Estimated Area Map" (Osaka)
"Sediment-related disaster caution area and sediment-related disaster special caution area" (Osaka)

[Rainfall conditions that are the premise of calculation]

- Yodo River system Yodo River, Uji River, Kizu River, Katsura River (Yodo River Office, March 2nd year of Reiwa)
 - 24-hour total rainfall 360 mm in the upper reaches of Hirakata
- Yodo River system, Ai River, Masakura River, Yamada River, etc. (December 5th year of Reiwa, Osaka Prefecture)
 - 24-hour total rainfall 776 mm, maximum hourly rainfall 189 mm in the upper reaches of the Aikawa area
 - 24-hour total rainfall 776 mm, 1-hour maximum rainfall 96 mm in the upper reaches of the Yamada and Taisho river basins
- Yodo River system, Kanzaki River, etc. (December 5th year of Reiwa, Osaka Prefecture)
 - 24-hour total rainfall 737 mm, 1-hour maximum rainfall 81.1 mm (average upstream of Kashiwa point)
- Yodo River system, Itoda River, Kami River (December 5th year of Reiwa, Osaka Prefecture)
 - 24-hour total rainfall 1150 mm, 1-hour maximum rainfall 145.7 mm in the upper reaches of the Kanzaki River confluence
- Yodo River system, Taka River (January 2nd year of Reiwa, Osaka Prefecture)
 - 24-hour total rainfall 1150 mm, 1-hour maximum rainfall 145.4 mm in the upper reaches of the Kanzaki River confluence



In creating this map, we used the basic map information issued by the Geospatial Information Authority of Japan with the approval of the director of the Geographical Survey Institute. (Approved by the Director of the Geographical Survey Institute based on the survey method (use) R.7.H.3.9)