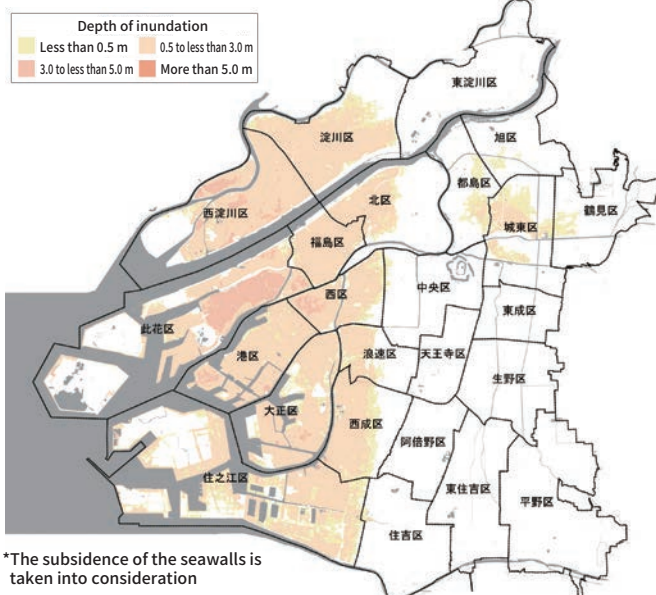
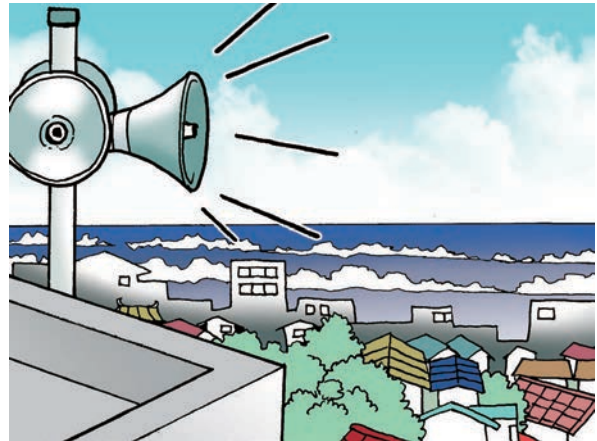


Protecting Yourself In Case of a Tsunami

When the Nankai Trough earthquake occurs, Tsunami at a height of at least 1m could reach Osaka City within 1 hour and 50 minutes, according to the estimates released by Osaka Prefecture. Although Osaka City has seawalls to protect itself from tsunamis and other floods, if a tsunami warning or a major tsunami warning is issued in the Osaka area, evacuate immediately! (This is based on lessons learned from the Great East Japan Earthquake.)

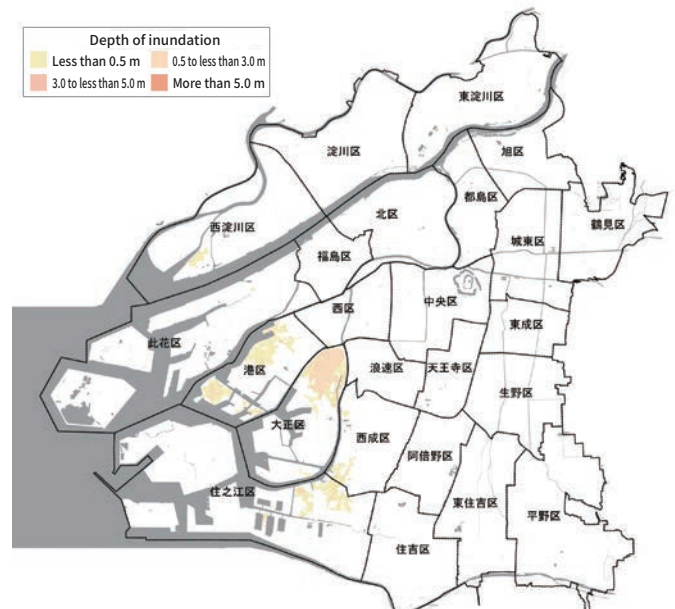
Tsunami Inundation Assumption

The figure below assumes a tsunami caused by the Nankai Trough earthquake in which the tide gates built into the seawalls remain open.



*The subsidence of the seawalls is taken into consideration

**Nankai Trough Earthquake
(magnitude 9.0-9.1)**



**Tonankai and Nankai Earthquakes
(magnitude 7.9-8.6)**

The Characteristics of a Tsunami

Speed and Power

Even in coastal areas, tsunamis are predicted to move at the speed of short distance runners. The power of the waves is so great that even when they are at ankle height, it is impossible to remain upright.

Tsunami Waves and Upriver Surging

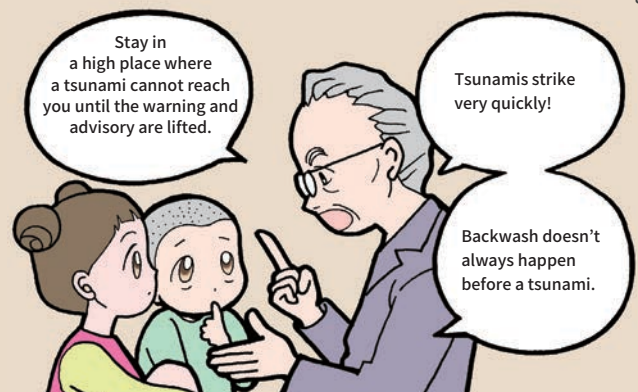
Because tsunami waves surge up rivers, not only coastal areas, but also river basins must be on the alert for tsunamis.

Repeated Waves

Tsunami waves strike repeatedly. Remain at the elevated place you have evacuated to until the warning and advisory are lifted.

Backwash Does Not Always Occur Before a Tsunami

Some say that backwash occurs before tsunami hits, but there are also cases where tsunamis strike with no warning.



Stay in a high place where a tsunami cannot reach you until the warning and advisory are lifted.

Tsunami strike very quickly!

Backwash doesn't always happen before a tsunami.