



## Storm Surge Hazard Map (1/2)

**Legend**

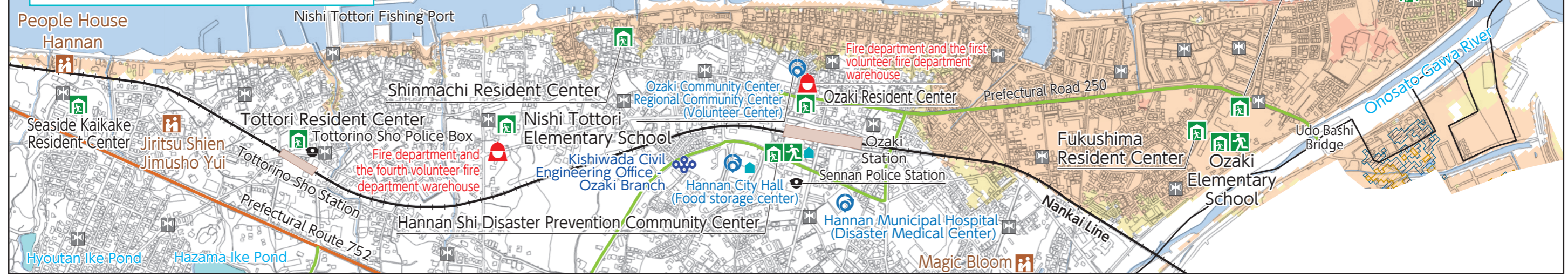
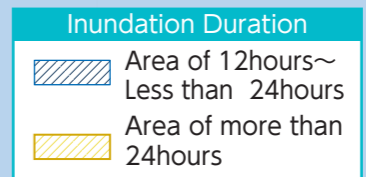
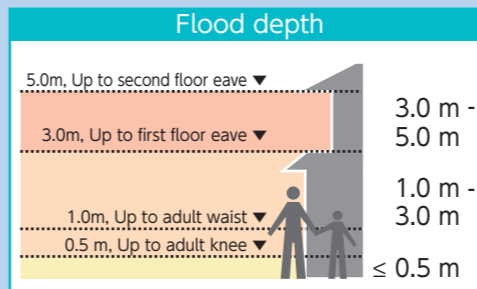
- Designated evacuation site or designated emergency evacuation site
- Agreement evacuation site
- Evacuation site with nursing care
- Temporary evacuation site
- Large-area evacuation site
- Disaster prevention facility operated by the prefecture
- Disaster prevention facility operated by the city
- Police station, koban police box, chuzaisho residential police box
- Warehouse for fire department and volunteer fire department
- Projected site for temporary housing
- Security hydrant
- Temporary emergency heliport
- Emergency public radio announcement
- Warehouse
- Regional emergency transportation route
- Long-distance emergency transportation route

**Simulation Conditions, etc**

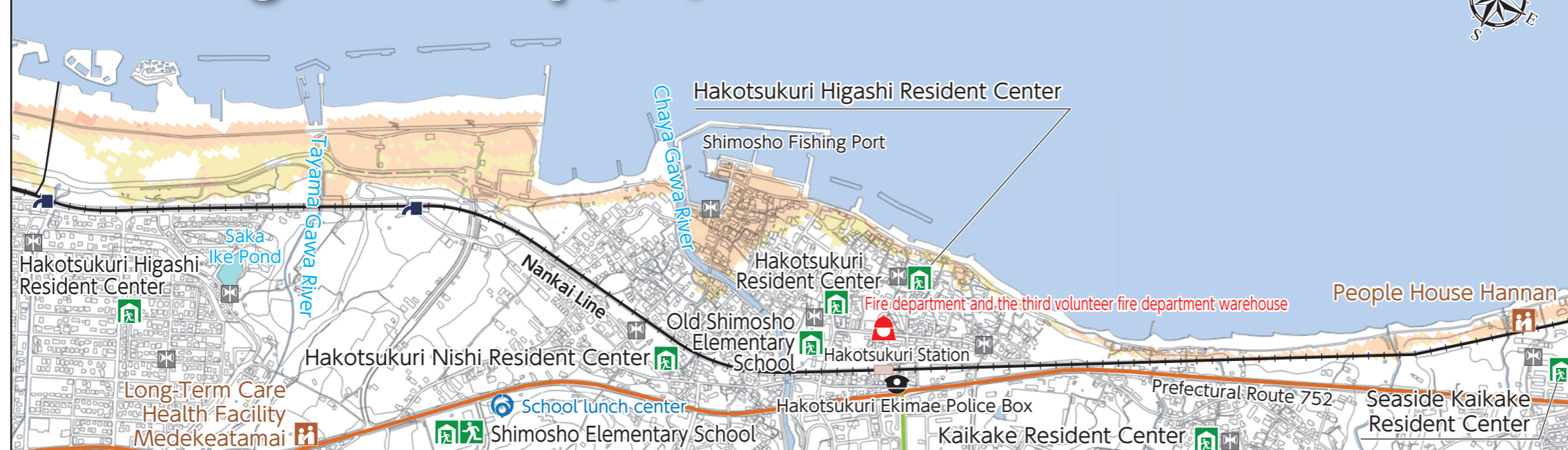
This map shows the expected inundation area **in the event of the largest storm surge** that can be expected.

- Central Atmospheric Pressure : **910hpa** (Estimated Muroto Typhoon Grade)
- Radius of maximum impulsive wind speed (distance from the center of the typhoon to the point of maximum wind speed around the typhoon): **75km** (assuming Ise Bay typhoon level)
- Speed of movement: **73km/h** (Estimated Isewan Typhoon Grade. A fixed speed on a typhoon route)

Source: [Storm surge flood Inundation Estimated Area Map] Osaka Port authority (August.2020)



## Storm Surge Hazard Map (2/2)



### Mechanism of storm surge generation

- suction** A phenomenon in which the sea level rises as if it were being sucked up by a drop in atmospheric pressure.
- drift** by continuing strong winds from the mouth of the bay toward the depths of the bay, a phenomenon in which seawater is drawn to the back of a bay and the sea level rises.

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