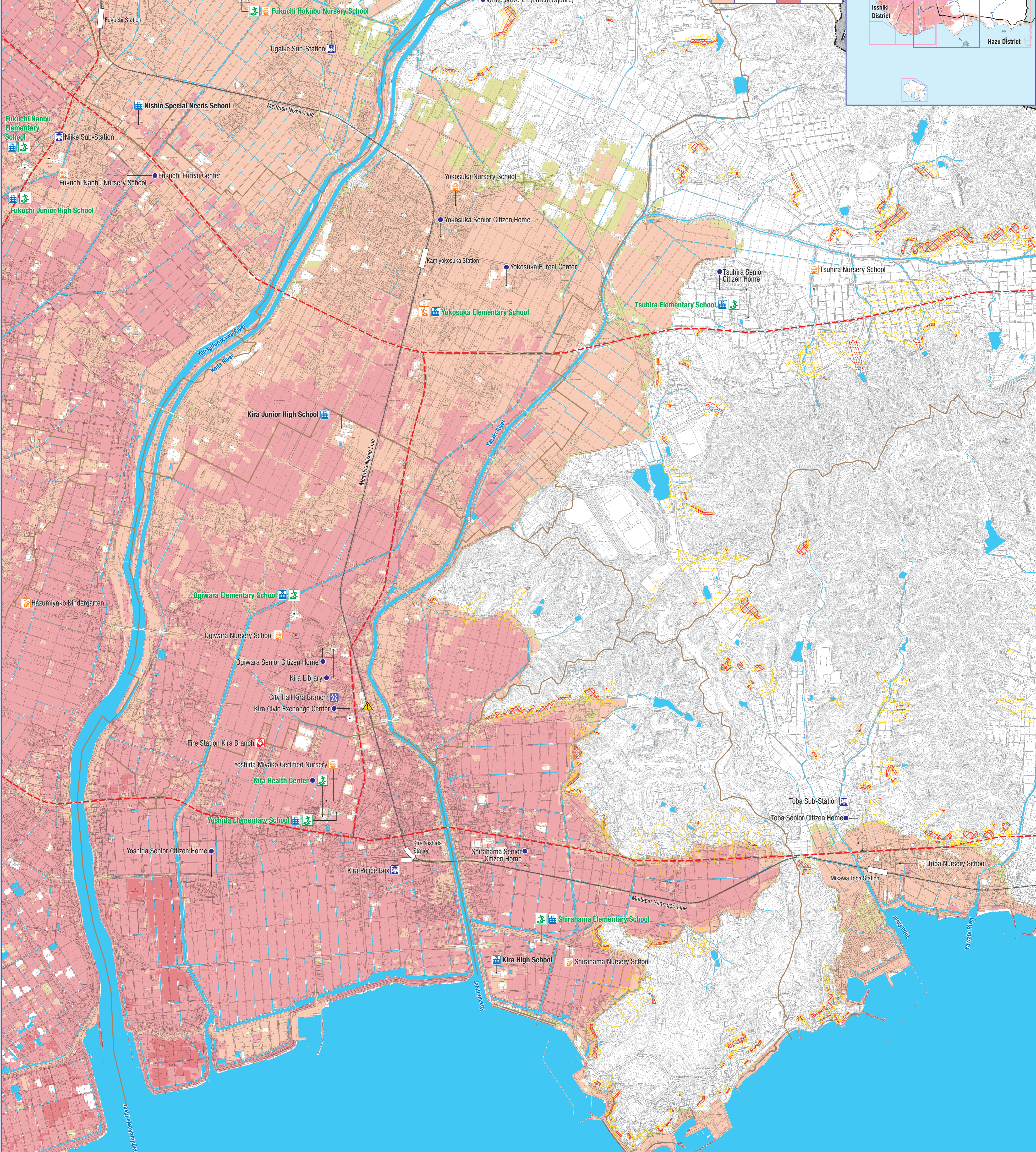
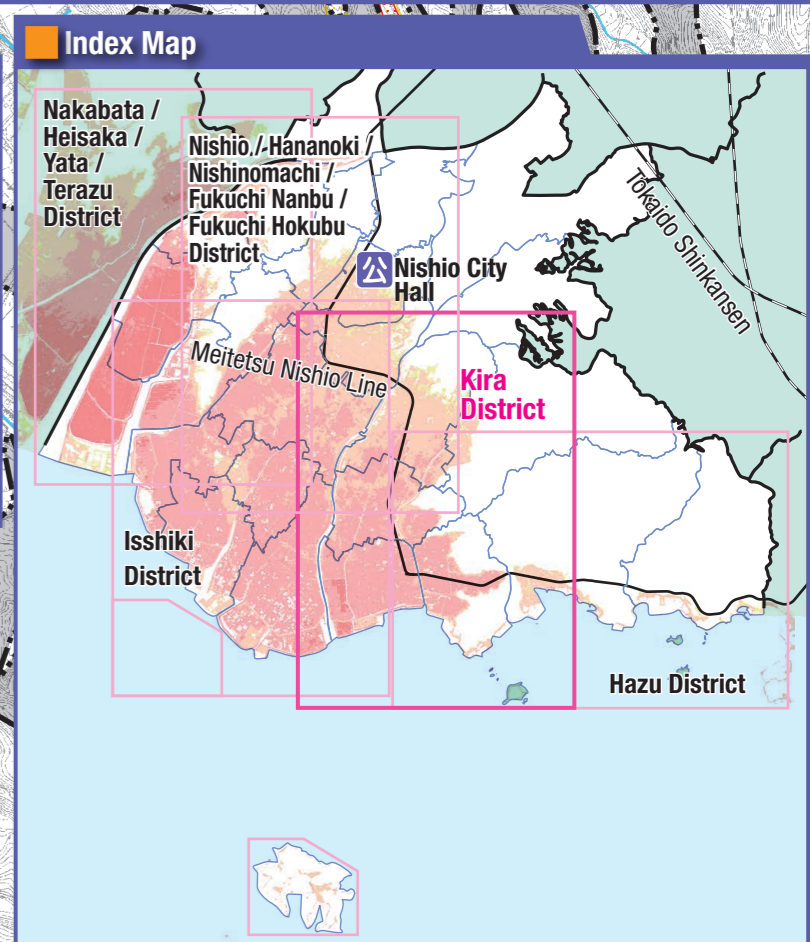
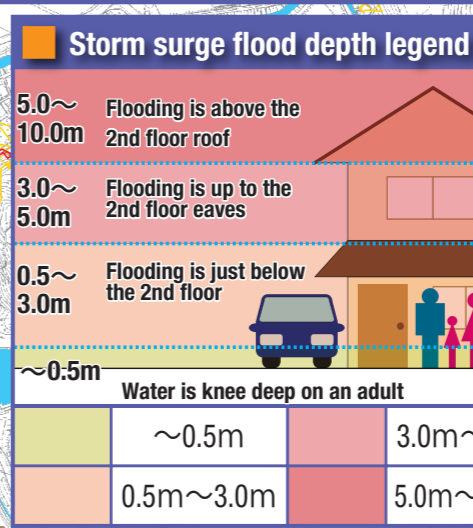


Storm Surge Hazard Map

④ Kira District

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Areas expected to be flooded during a storm surge

This map shows the flood depth of areas expected to be flooded during a storm surge in Aichi Prefecture. Areas expected to be flooded during a storm surge in Aichi Prefecture is based on Article 14-3 of the Flood Prevention Act and assumes the flooded area and flood depth when flooding occurs due to the highest storm surge assumed possible. A simulation was conducted assuming the worst-case scenario in which a typhoon with an atmospheric pressure similar in scale to the Muroto Typhoon, the largest typhoon to ever make landfall in Japan, is set at multiple routes that have a significant impact on the coast of Mikawa Bay and Ise Bay, causing flood defenses such as embankments and floodgates to burst when their design conditions are reached. The maximum flooded area and flood depth are extracted from the results of this simulation. The areas expected to be flooded are only assumptions. Flooding may occur in areas outside the areas expected to be flooded (locations not colored on the map) and the flood depth may be deeper depending on the effect and such of local topography.

[Typhoon size] Central pressure 910 hPa and moving speed 73 km/h during landfall of Muroto Typhoon class

[Design conditions] Floodgates at the new and full moon average full tide level (this is the average tide level of the highest full tide of each month that appears within 5 days of the 1st day of the month (new moon) and 15th day of the month (full moon)) are closed according to operating regulations, and burst together with embankments when the design conditions are reached.

Storm surge evacuation

- Nishio City assumes that flooding will occur over an extensive range of the coastal area in the event of the assumed highest storm surge.
- When it is likely that a typhoon or similar event that may cause damage approaches, evacuate in advance to an area outside the areas expected to be flooded or to the upper floors of a sturdy building above the flood depth.
- Evacuate before the wind and rain become strong and it is difficult to evacuate safely.

List of designated emergency evacuation shelters during a storm surge (Kira District)

Name	Address	Phone number (0563)
Shirahama Elementary School	Kira-cho Shirahama Shinden Kitagiri 1	32-0155
Yoshida Elementary School	Kira-cho Yoshida Ogirima 18	32-0154
Kira Health Center	Kira-cho Yoshida Ogirima 17-3	32-3001
Ogiwara Elementary School	Kira-cho Ogiwara Eboshi 16	32-1053
Yokosuka Elementary School	Kira-cho Kamiyokosuka Hishike 13-1	35-0100
Tsuhira Elementary School	Kira-cho Tsuhira Ori 1	35-0056
Clean Center Administrative Building	Kira-cho Okayama Owayama 65	32-8112

