






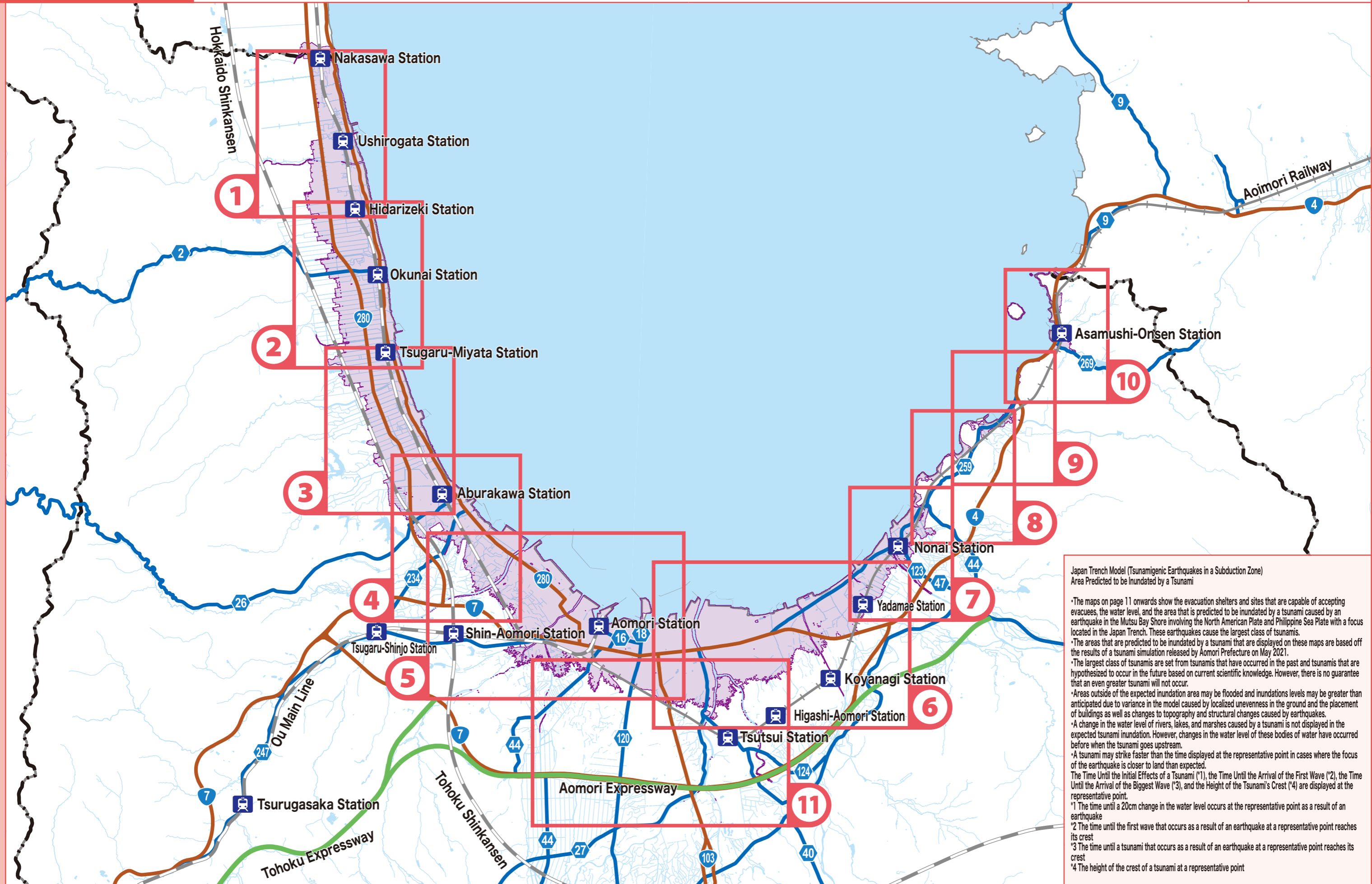


-  National Road
-  Prefectural Road
-  Highway
-  Municipal Border
-  Railway/Station
-  Aomori Railway/Station
-  Area expected to be flooded by the tsunami



Japan Trench Model (Tsunamigenic Earthquakes in a Subduction Zone)
Area Predicted to be Inundated by a Tsunami

- *The maps on page 11 onwards show the evacuation shelters and sites that are capable of accepting evacuees, the water level, and the area that is predicted to be inundated by a tsunami caused by an earthquake in the Mutsu Bay Shore involving the North American Plate and Philippine Sea Plate with a focus located in the Japan Trench. These earthquakes cause the largest class of tsunamis.
- *The areas that are predicted to be inundated by a tsunami that are displayed on these maps are based on the results of a tsunami simulation released by Aomori Prefecture on May 2021.
- *The largest class of tsunamis are set from tsunamis that have occurred in the past and tsunamis that are hypothesized to occur in the future based on current scientific knowledge. However, there is no guarantee that an even greater tsunami will not occur.
- *Areas outside of the expected inundation area may be flooded and inundations levels may be greater than anticipated due to variance in the model caused by localized unevenness in the ground and the placement of buildings as well as changes to topography and structural changes caused by earthquakes.
- *A change in the water level of rivers, lakes, and marshes caused by a tsunami is not displayed in the expected tsunami inundation. However, changes in the water level of these bodies of water have occurred before when the tsunami goes upstream.
- *A tsunami may strike faster than the time displayed at the representative point in cases where the focus of the earthquake is closer to land than expected.

The Time Until the Initial Effects of a Tsunami (*1), the Time Until the Arrival of the First Wave (*2), the Time Until the Arrival of the Biggest Wave (*3), and the Height of the Tsunami's Crest (*4) are displayed at the representative point.

- *1 The time until a 20cm change in the water level occurs at the representative point as a result of an earthquake
- *2 The time until the first wave that occurs as a result of an earthquake at a representative point reaches its crest
- *3 The time until a tsunami that occurs as a result of an earthquake at a representative point reaches its crest
- *4 The height of the crest of a tsunami at a representative point