

Tohoku Chapter, Architectural Institute of Japan  
Reconnaissance Report (17) on Ishinomaki City  
The 2011 off the Pacific Coast of Tohoku Earthquake  
Released on April 15, 2011

Disaster Committee, Tohoku Chapter  
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Ishinomaki City, Miyagi Prefecture, is located approximately 45 km to the north east of Sendai City. The population is 160,336; 2,482 were dead and 2,770 were missing as of April 5, 2011. Port and Airport Research Institute determined the tsunami height at Ishinomaki Harbor to be 5 m, and at Ogachi-machi, Ishinomaki City to be 16 m (run up).

The route map of Ishinomaki is shown in Fig. 1 at the end of this report. The damage was surveyed on April 8 (Friday). There was a magnitude 7.4 earthquake (Epicenter at Miyagi-ken Oki) at 23:30 on April 7. Therefore, the observed damage was caused by the March 11 main shock and also by the April 7 aftershock.

1. Damage between Sendai City and Ishinomaki City



Photo 1: Exterior finishing was damaged by the April 6 aftershock in Sendai City.



Photo 2: Fall of roof tiles and breakage of window glasses, probably due to the April 7 aftershock.



Photo 3: Piling of thrown items on the road side near Yamoto (Higashi-Matsushima City).



Photo 4: Teizan, Ishinomaki City

2. Minato area, Ishinomaki City



Photo 1: Damage by tsunami.



Photo 2: First story was broken.



Photo 3: Both sides of National Highroad 398.



Photo 4: Damage in the first story was severe, damage was relatively light on hill side.

3. Minami-hama-Cho, Ishinomaki



Photo 9: Damage was observed up to the second story (No.1 in route map).



Photo 10: Minami-hama-cho.



Photo 11: Minami-hama-cho.



Photo 12: Devastation. Boundary of house lots was not clear.

4. Kadowaki-cho, Ishinomaki City



Photo 13: Damage in densely built up area. Roads were not passable (No. 2 in Route Map).



Photo 14: A reinforced concrete building in the back was in use.

5. Greek Orthodox Church (No. 3 in route map)

There was debris around the church and it was difficult to approach the church. Damage was severe on the sea side, and tsunami must have flowed through the building. Columns and walls were deformed. The columns appeared to support the building by visual observation. The building was damaged by the 1978 Miyagi-ken Oki Earthquake, and was reconstructed at this site. Temporary repair work appeared necessary to survive aftershocks.



Photo 1: Front view facing the sea.



Photo 2: Front view facing the sea.



Photo 3: Front view facing the sea.



Photo 4: Greek Orthodox Church



Photo 5: Damage in the back.



Photo 6: Damage in the back.



Photo 7: View from back to front.



Photo 8: Inside.



Photo 9: View of the sea shore from the church.  
Most buildings collapsed.



Photo 1: China-ware Kankei-maru, the damage in the first story due to inundation (N o. 4 in route map)



Photo 2: Daini SS building, many buildings suffered damage in the first story due to tsunami.

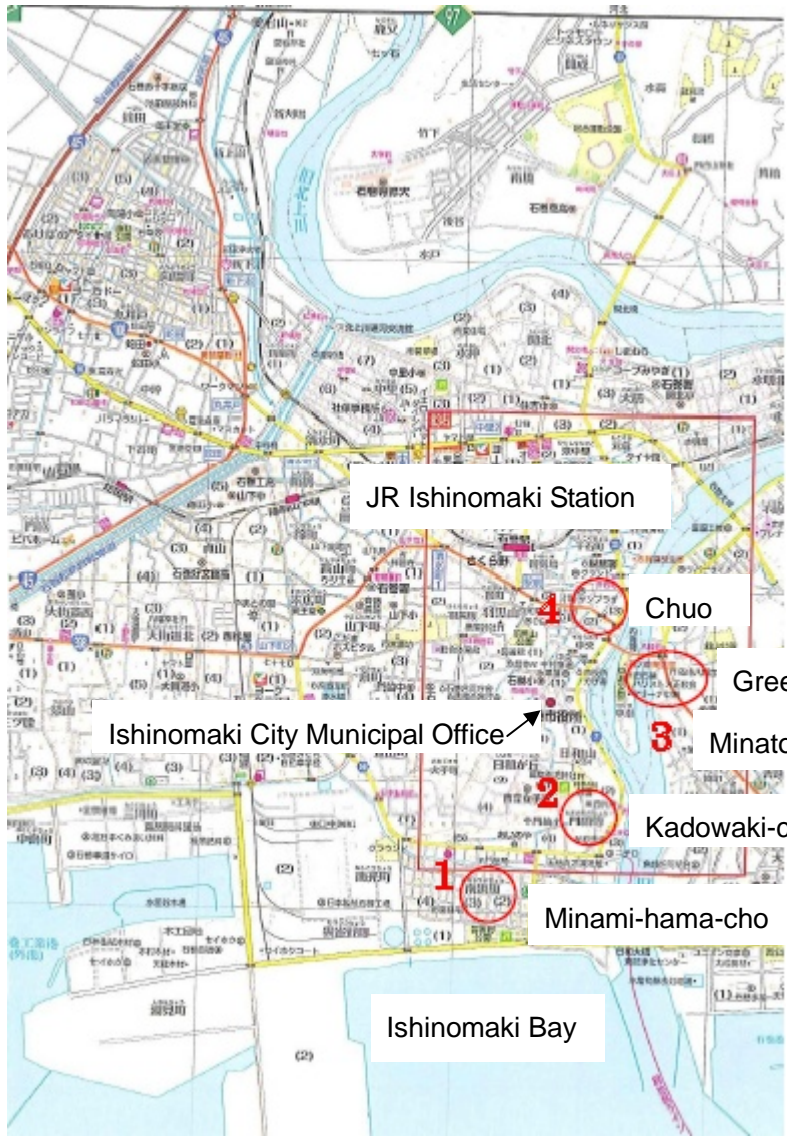


Fig. 1: Route Map in Ishinomaki City