

Fig. A123. Tsunami height at Arakawa, Tonicho, Kamaishi City, Iwate Prefecture (added with digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A124. (a)-(b) Damage at Arakawa. (c) Tsunami inundation limit in Arakawa (I129).

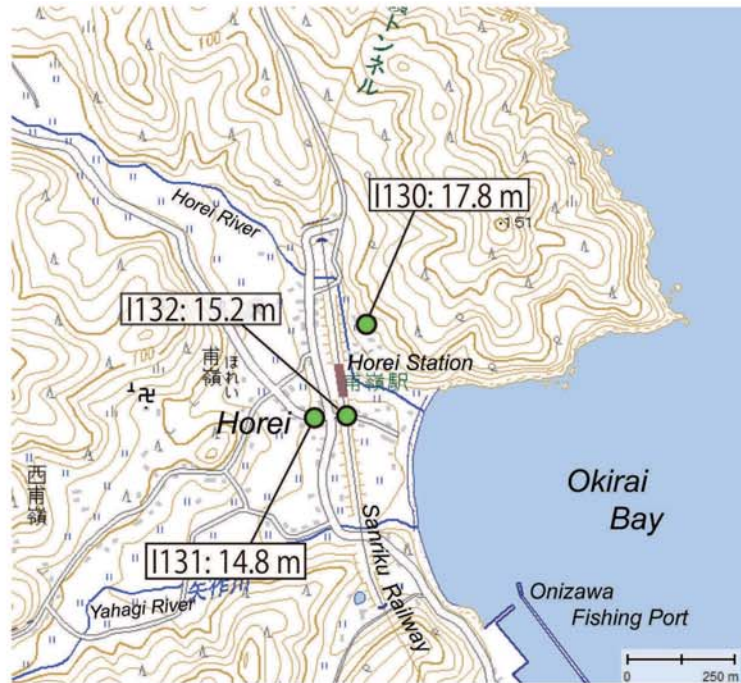


Fig. A125. Tsunami heights at Horei, Sanrikucho-Okirai, Ofunato City, Iwate Prefecture (added with digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A126. (a)-(d) Damage at Horei. (e) Tsunami inundation limit on the northeastern slope at Horei station (I130). (f) Debris piled up around the survey point of I130. (g)-(h) Tsunami inundation limit at a field in front of a house (I131). (i)-(j) Tsunami trace survey point on the railroad of the Sanriku railway (I132).





(continued)

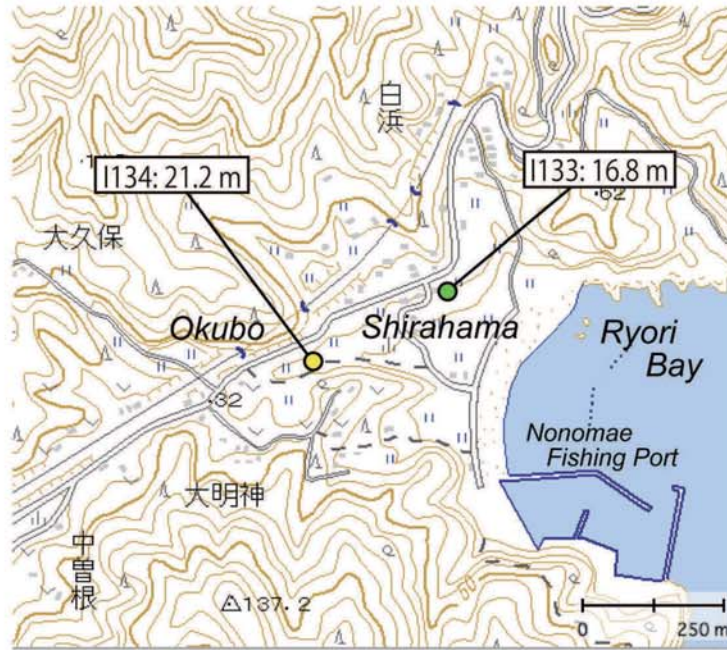


Fig. A127. Tsunami heights at Shirahama (I133) and Okubo (I134), Sanrikucho-Ryori, Ofunato City, Iwate Prefecture (added with digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A128. (a) Tsunami inundation limit in a rice field at Shirahama based on scattered debris (I133). (b) Tsunami inundation limit at a slope in Okubo based on the border with live and dry grass (I134).





Fig. A129. Tsunami height at Miyanomae, Ofunatocho, Ofunato City, Iwate Prefecture (added with digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A130. (a)-(b) Damage at Miyanomae. (c) Mr. Kawahara's house at Miyanomae (tsunami trace survey point). (d) Watermark on the windowpanes of the sliding doors at the entrance of Mr. Kawahara's house (0.7 m above ground level, I135).



Fig. A131. Tsunami height at Yonesakicho, Rikuzentakata City, Iwate Prefecture (added with digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

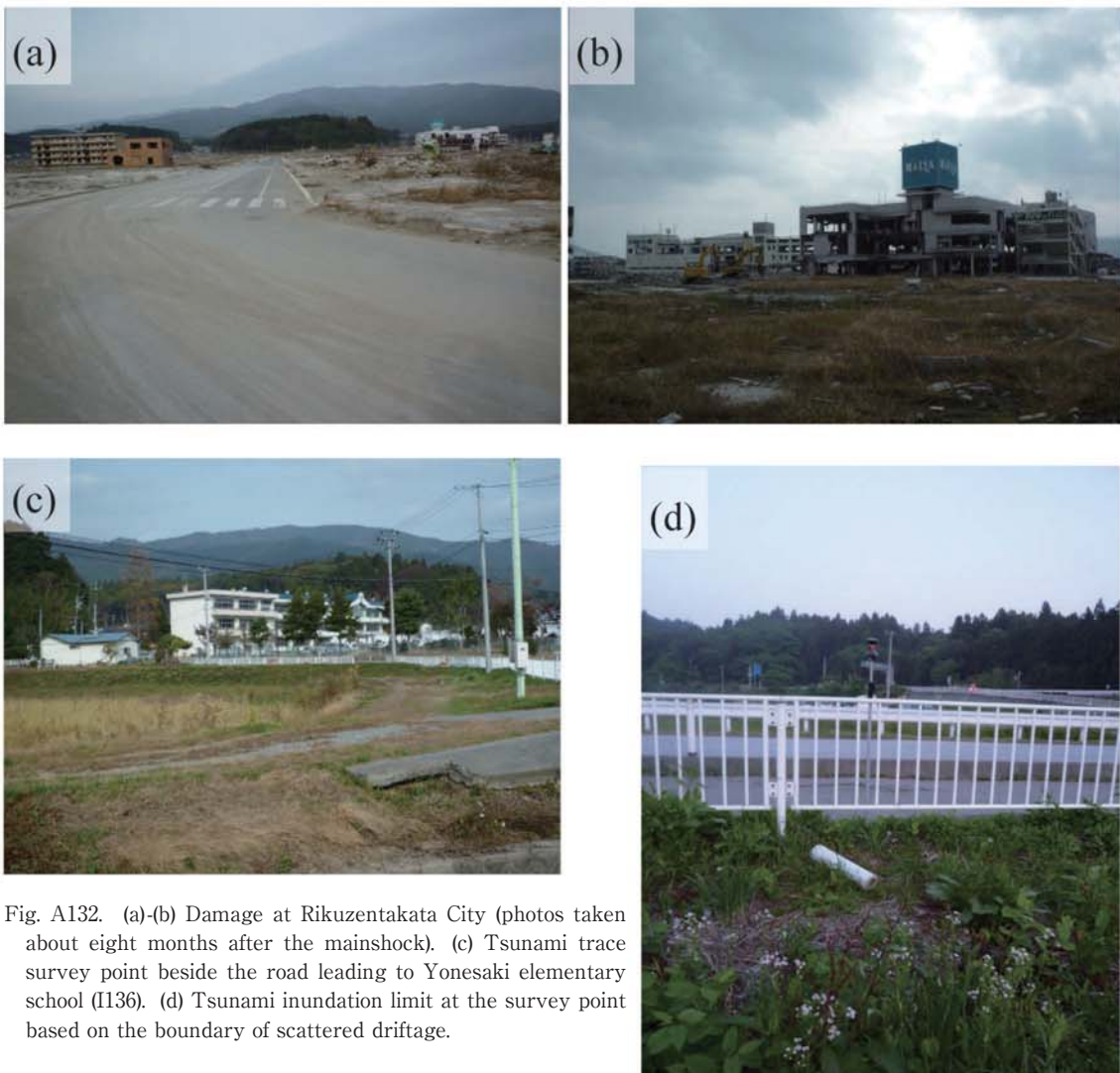


Fig. A132. (a)-(b) Damage at Rikuzentakata City (photos taken about eight months after the mainshock). (c) Tsunami trace survey point beside the road leading to Yonesaki elementary school (I136). (d) Tsunami inundation limit at the survey point based on the boundary of scattered driftage.



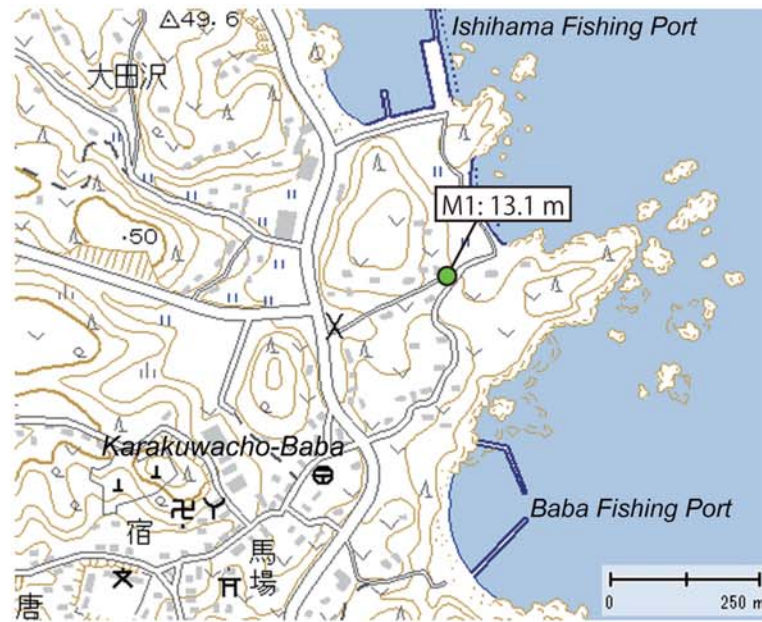


Fig. A133. Tsunami height at Karakuwacho-Baba, Kesennuma City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A134. (a) Damage at Karakuwacho-Baba. (b) Tsunami trace survey point at the southern slope (M1).



Fig. A135. Tsunami height at Karakuwacho-Naka, Kesennuma City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

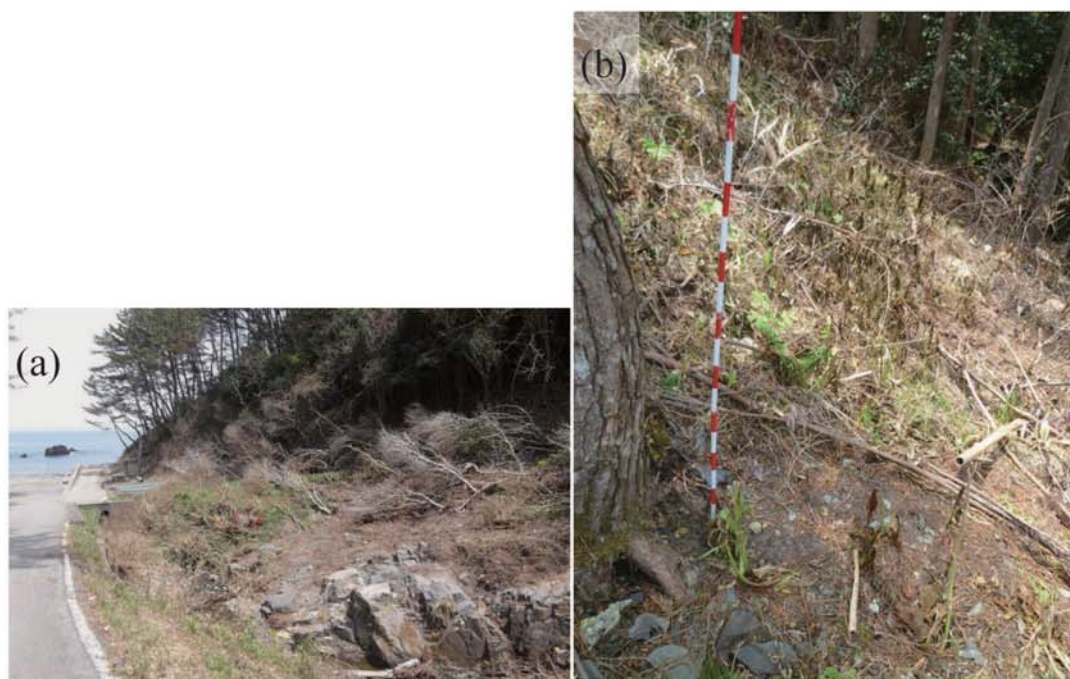


Fig. A136. (a) Tsunami trace in Karakuwacho-Naka. (b) Tsunami trace survey point at the southern slope (M2).





Fig. A137. Tsunami height at Karakuwacho-Kakehama, Kesennuma City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A138. (a) Damage at Karakuwacho-Kakehama. (b) Tsunami trace survey point on a wall of a house on the southern slope (2.85 m above ground level, M3).



Fig. A139. Tsunami height at Karakuwacho-Tsumoto, Kesennuma City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A140. (a) Damage at Karakuwacho-Tsumoto. (b) Tsunami trace survey point at the drying area on the second floor (4.70 m above ground level, M4).

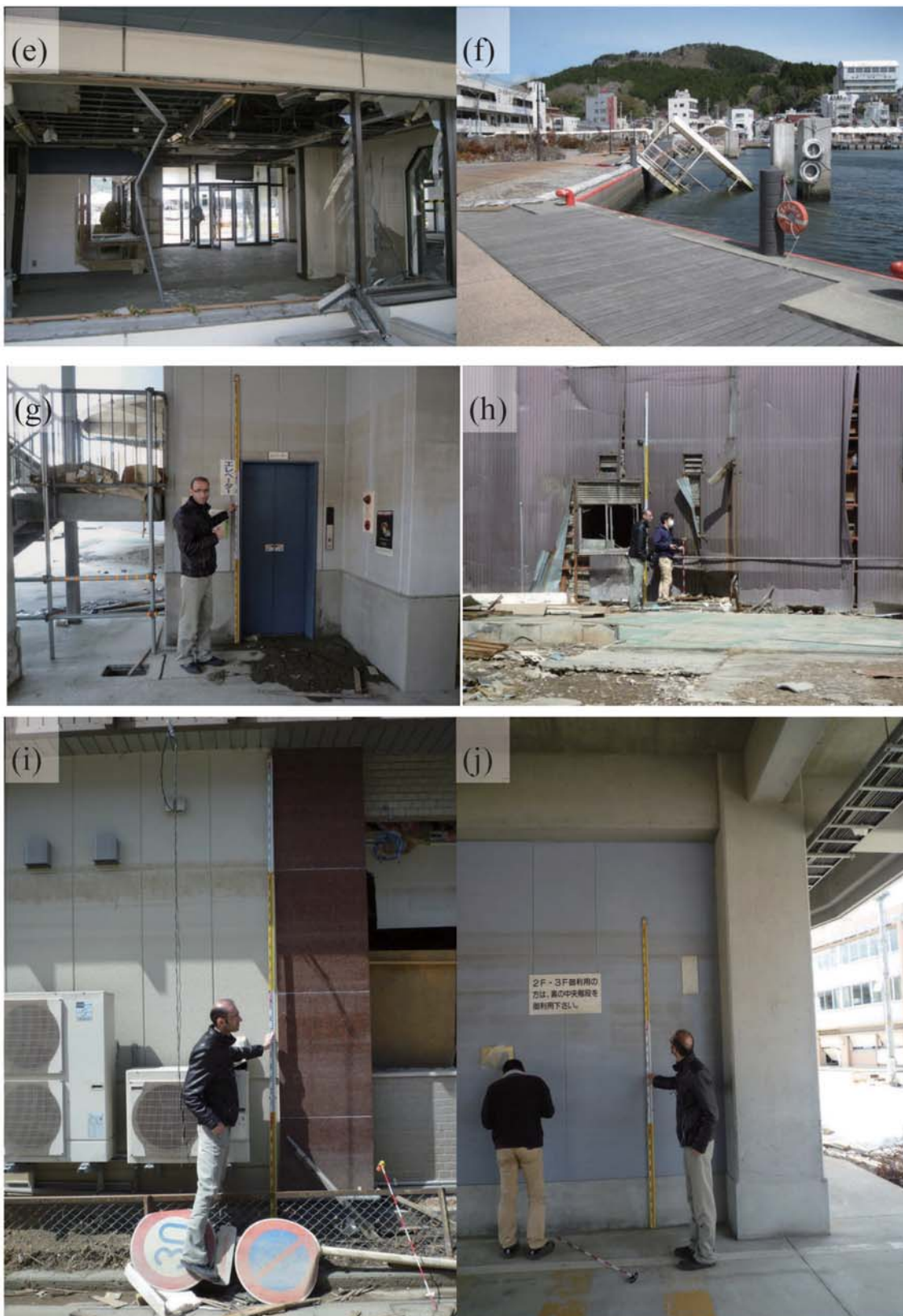




Fig. A141. Tsunami heights at Minamimachikaigan (Kesennuma Port), Kesennuma City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A142. (a)-(f) Damage at Minamimachikaigan (Kesennuma Port). (g)-(j) Watermark on a wall of the municipal parking and surrounding buildings (2.60 m, 3.12 m, 3.08 m, and 2.95 m above ground level, respectively, M6, M7, M8, M5).



(continued)





Fig. A143. Tsunami height at Hajikamisuginoshita, Kesennuma City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A144. (a)-(b) Damage at Hajikamisuginoshita. (c)-(d) Tsunami trace survey point on a wall of a house near Hatakeyama ironworks (0.90 m above ground level, M9).



Fig. A145. Tsunami height at Motoyoshicho-Amagasawa (Hikado Fishing Port), Kesennuma City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A146. (a)-(c) Damage at Motoyoshicho-Amagasawa (Hikado Fishing Port). (d) Tsunami trace survey point on a slope (M10).





Fig. A147. Tsunami height at Motoyoshicho-Maehama, Kesennuma City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A148. (a)-(b) Damage at Motoyoshicho-Maehama.



Fig. A149. Tsunami height at Motoyoshicho-Toyomazawa, Kesennuma City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

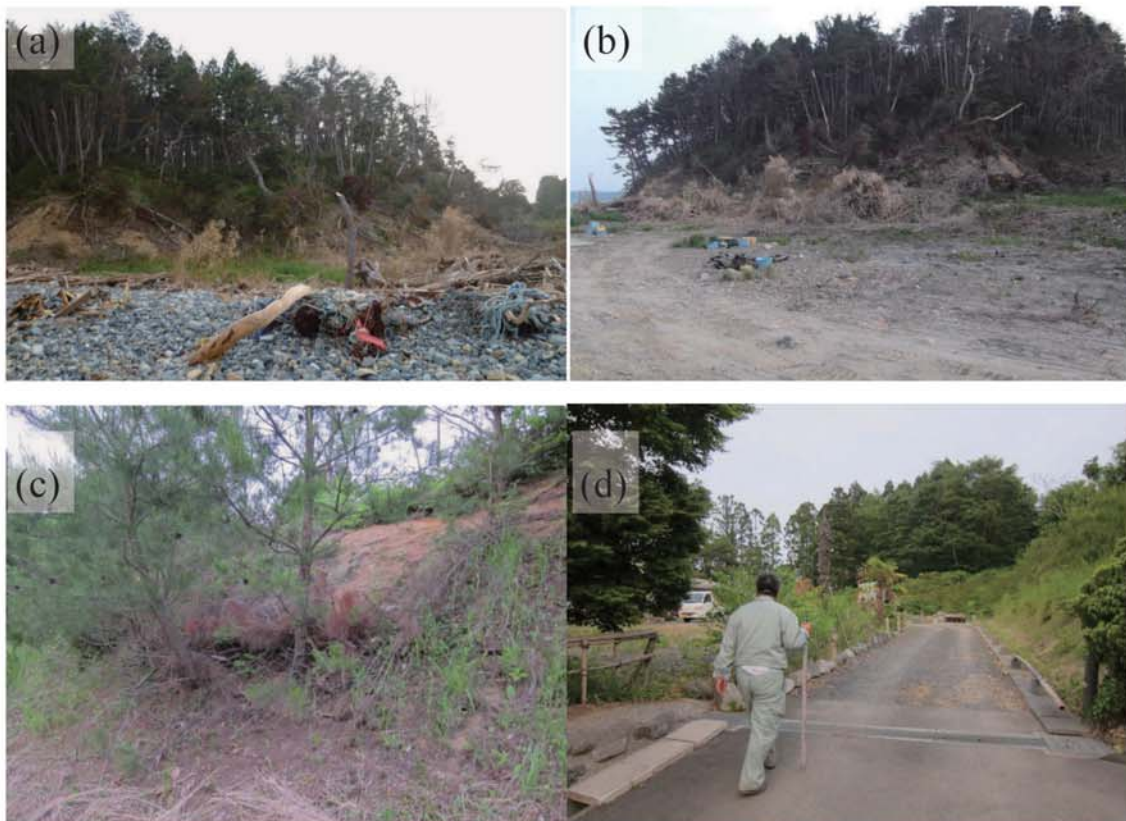


Fig. A150. (a)-(d) Damage at Motoyoshicho-Toyomazawa.





Fig. A151. Tsunami heights at Motoyoshicho-Nijuichihama, Kesennuma City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A152. (a)-(b) Damage at Motoyoshicho-Nijuichihama. (c)-(d) Tsunami trace survey point on a wall of Mr. Oikawa's house (1.27 m above ground level, M13).

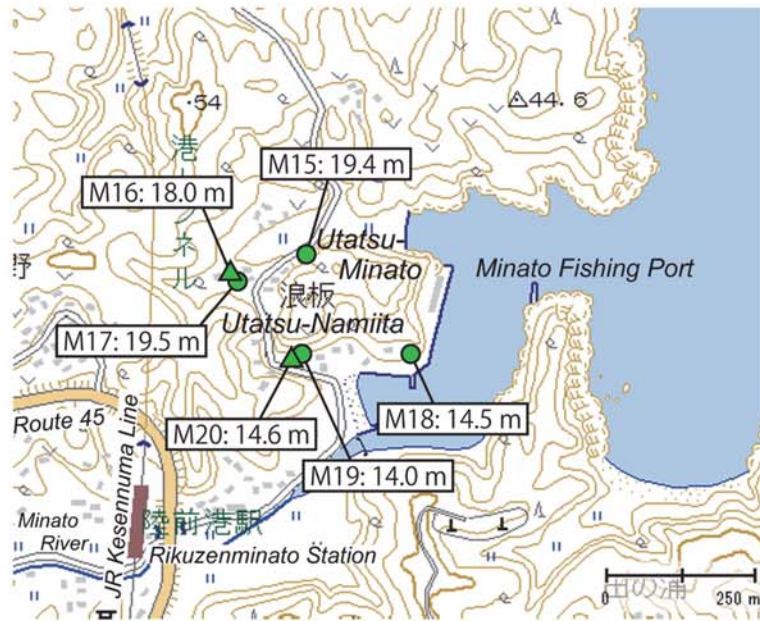


Fig. A153. Tsunami heights at Utatsu-Namiita (M15, M16, and M17) and Utatsu-Minato (M18, M19, and M20), Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A154. (a)-(d) Damage at Utatsu-Namiita and Utatsu-Minato. (e) Tsunami trace survey point at a slope in the northern area (M15). (f) Tsunami trace survey point at the entrance of house in the northern area (1.14 m above the dirt floor level, M16). (g) Tsunami trace survey point at the southern slope (M17). (h) Tsunami trace survey point at an eastern slope in the southern area (M18). (i) Tsunami trace survey point at the western slope (M19). (j) Watermark on a house in the northern area (2.75 m above ground level, M20).





(continued)

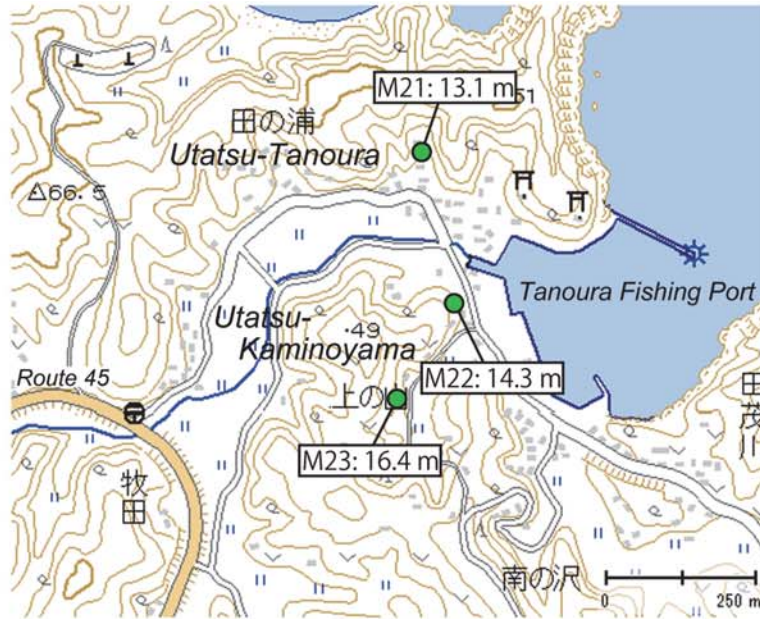


Fig. A155. Tsunami heights at Utatsu-Tanoura (M21) and Utatsu-Kaminoyama (M22 and M23), Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A156. (a)-(e) Damage at Utatsu-Tanoura and Utatsu-Kaminoyama. (f) Tsunami trace survey point at the northern slope (M21). (g) Tsunami trace survey point at the slope near Tanoura Fishing Port (M22). (h) Tsunami trace survey point at the southern slope (M23).





(continued)

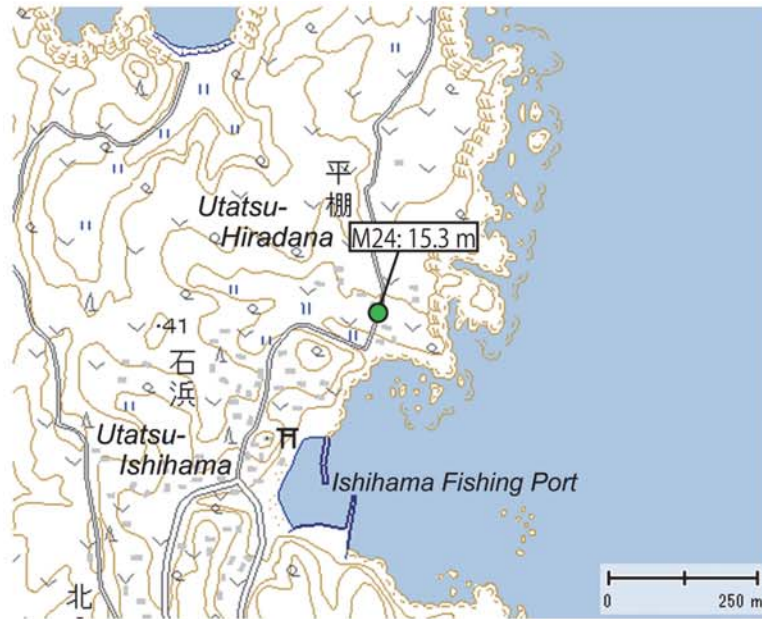


Fig. A157. Tsunami height at Utatsu-Hiradana, Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A158. (a)-(c) Damage at Utatsu-Hiradana. (d) Tsunami trace survey point at a slope beside Mr. Sato's house (M24).



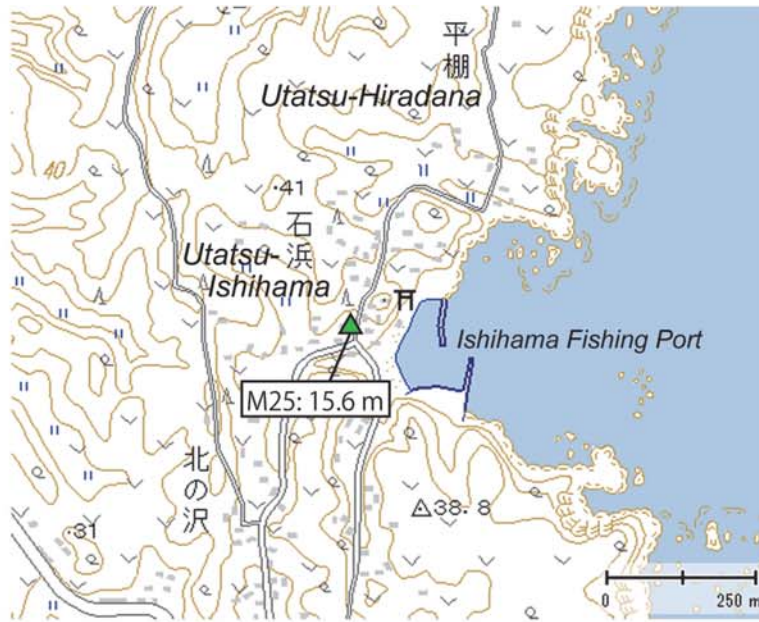


Fig. A159. Tsunami height at Utatsu-Ishihama, Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A160. (a)-(b) Damage at Utatsu-Ishihama. (c)-(d) Tsunami trace survey point on the the roof of Mr. Abe's house (4.10 m above ground level, M25).



Fig. A161. Tsunami height at Utatsu-Osaki, Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A162. (a)-(c) Damage at Utatsu-Osaki. (d) Tsunami trace survey point beside a water well near Mr. Iwaishi's house (M26).



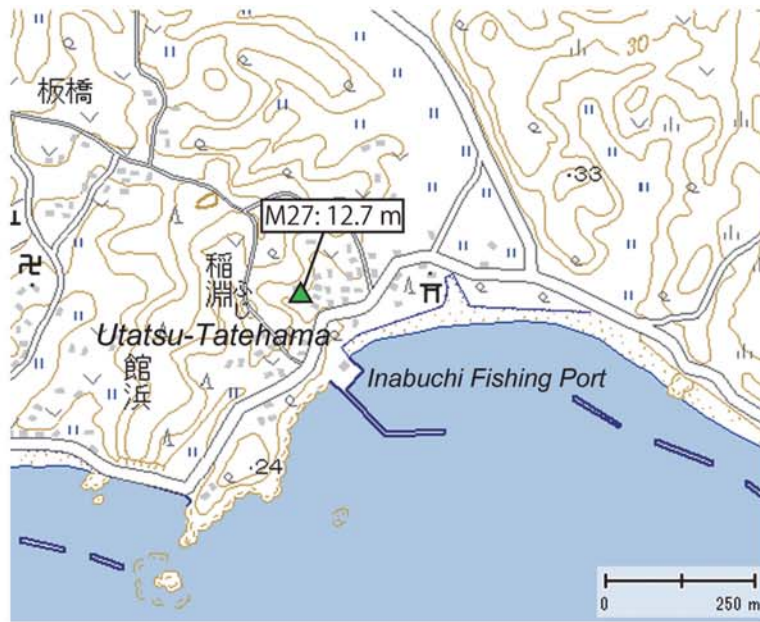


Fig. A163. Tsunami height at Utatsu-Tatehama, Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A164. (a)-(c) Damage at Utatsu-Tatehama. (d) Tsunami trace survey point on a wall of Mr. Chiba's house (3.04 m above the dirt floor, M27).



Fig. A165. Tsunami height at Utatsu-Nirano-hama, Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A166. (a)-(c) Damage at Utatsu-Nirano-hama. (d) Tsunami trace survey point on a wall of Mr. Abe's house (2.68 m above the dirt floor, M28).

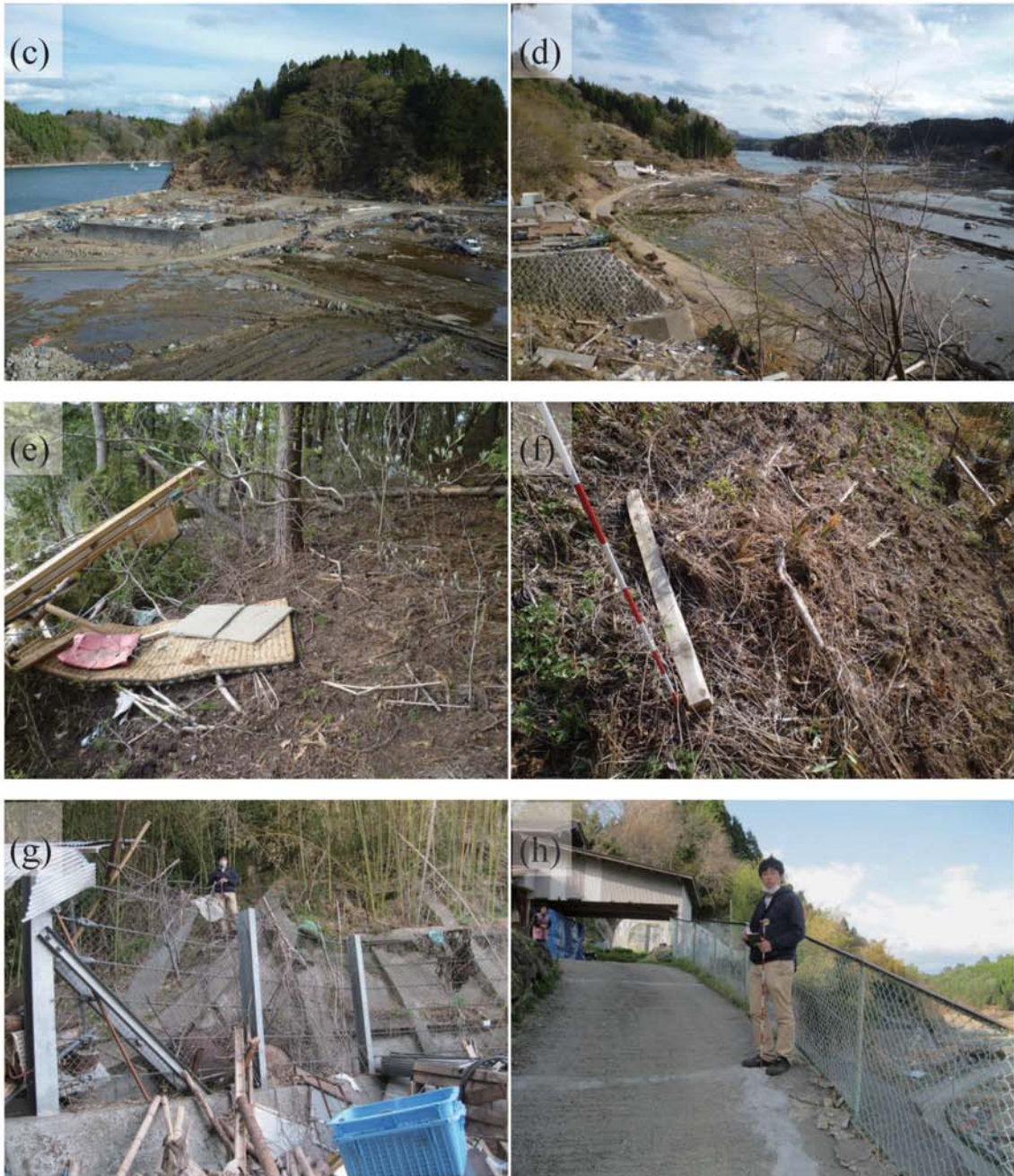




Fig. A167. Tsunami heights at Shizugawa-Nishida (M29 and M30) and Shizugawa-Hosoura, (M31 and M32) Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A168. (a)-(d) Damage at Shizugawa-Nishida and Shizugawa-Hosoura. (e) Tsunami trace survey point at the eastern slope (M29). (f) Tsunami trace survey point at the eastern slope (M30). (g) Tsunami trace survey point at the northern slope in the western area (M31). (h) Tsunami trace survey point at a slope near a house (M32).



(continued)





Fig. A169. Tsunami height at Shizugawa-Omori, Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A170. (a)-(c) Damage at Shizugawa-Omori. (d) Tsunami trace survey point at a terrace on the eastern slope (M33).

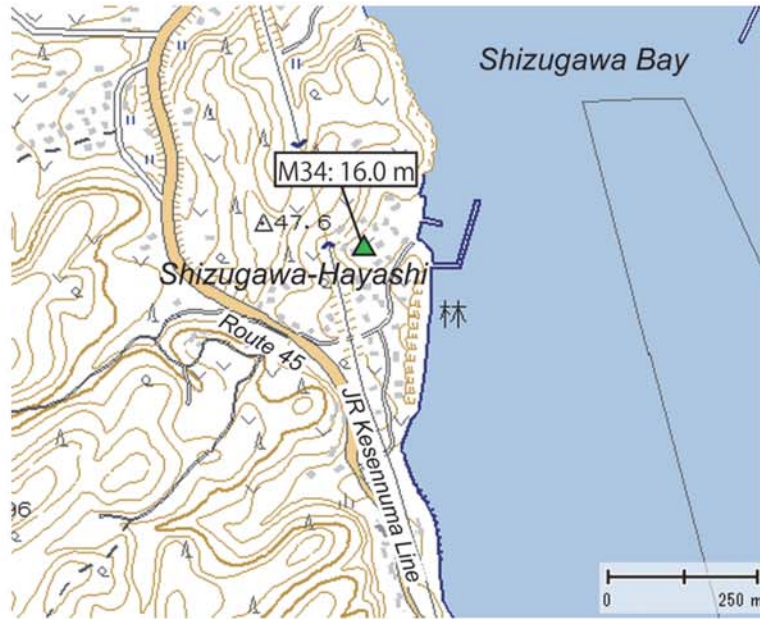


Fig. A171. Tsunami height at Shizugawa-Hayashi, Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A172. (a)-(c) Damage at Shizugawa-Hayashi. (d) Tsunami trace survey point on a wall of Mr. Watanabe's house (Testimony of an inhabitant, 3.55 m above ground level, M34).





Fig. A173. Tsunami height at Mitobe, Tokura, Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

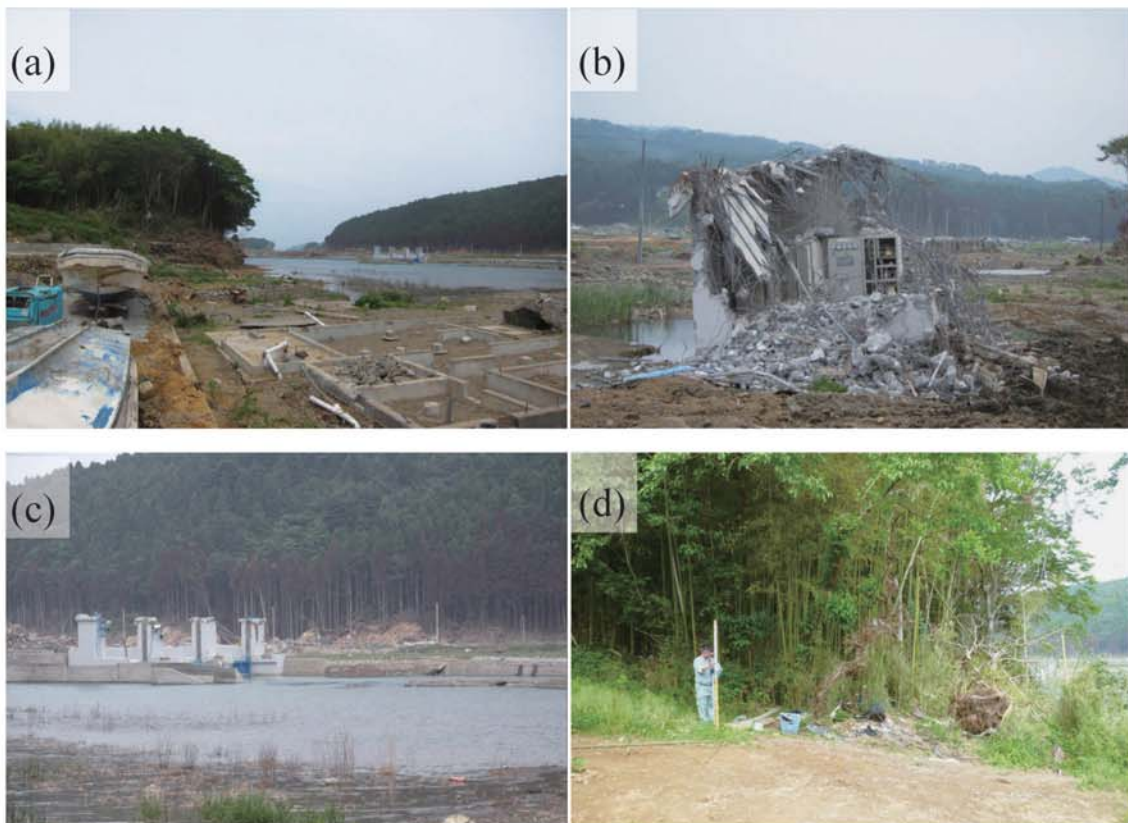


Fig. A174. (a)-(c) Damage at Mitobe. (d) Tsunami trace survey point at a terrace on the western slope (M35).



Fig. A175. Tsunami height at Takihaman, Tokura, Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A176. (a)-(c) Damage at Takihaman. (d) Tsunami trace survey point on the roof of a house (2.75 m above ground level, M36).





Fig. A177. Tsunami height at Nagashizu, Tokura, Minamisanriku Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

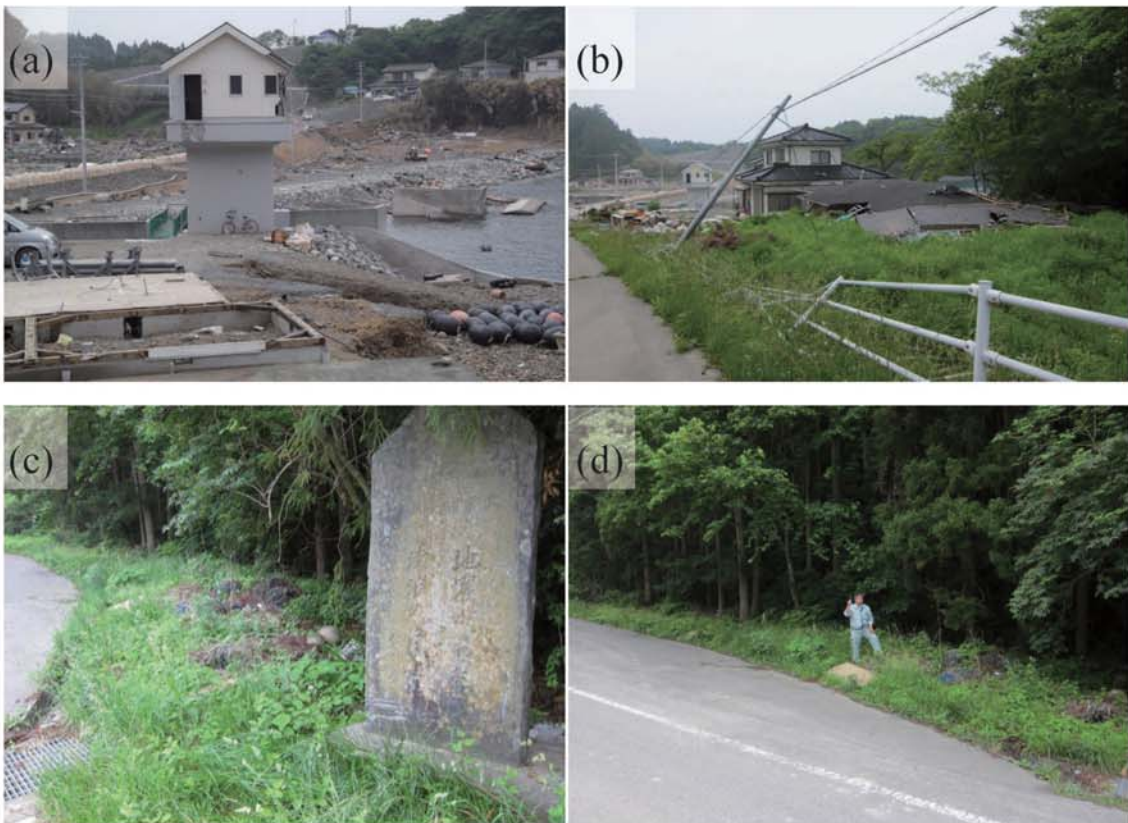


Fig. A178. (a)-(b) Damage at Nagashizu. (c) Stone monument commemorating the 1933 Sanriku earthquake tsunami at the eastern slope. (d) Tsunami trace survey point at the eastern slope (M37).

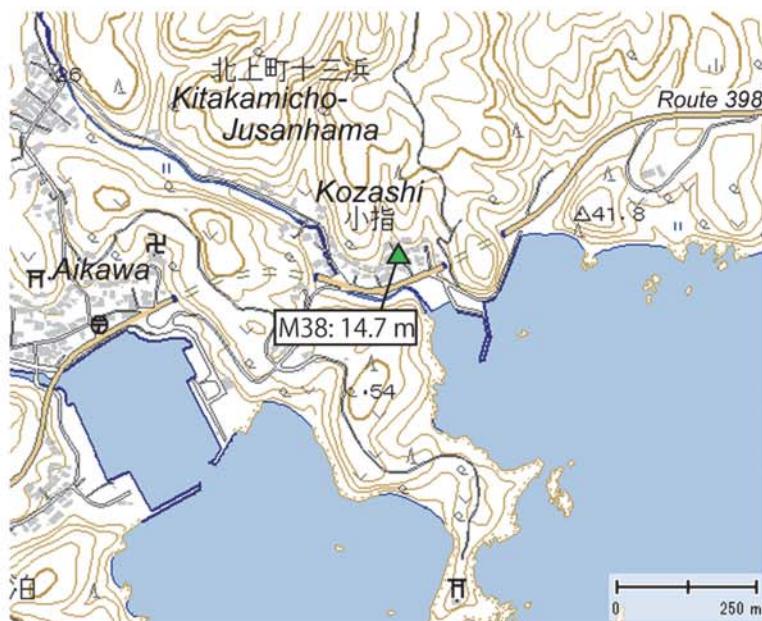


Fig. A179. Tsunami height at Kozashi, Kitakamicho-Jusanhama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A180. (a)-(c) Damage at Kozashi. (d) Tsunami trace survey point on a wall of a house (1.15 m above the second floor, M38)



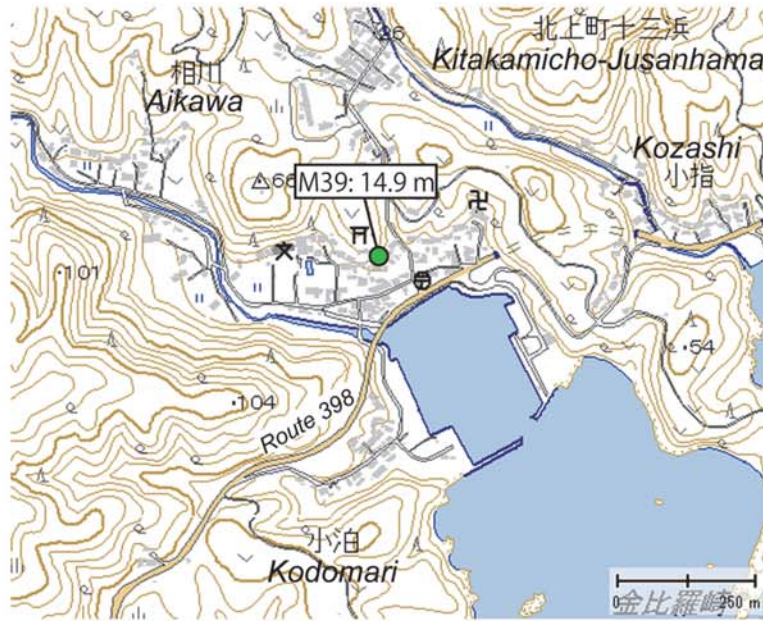


Fig. A181. Tsunami height at Aikawa, Kitakamicho-Jusanhama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A182. (a)-(c) Damage at Aikawa. (d) Tsunami trace survey point on a slope (M39).





Fig. A183. Tsunami height at Kodomari, Kitakamicho-Jusanhama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A184. (a)-(c) Damage at Kodomari. (d) Tsunami trace survey point at a slope beside Mr. Abe's house (M40).



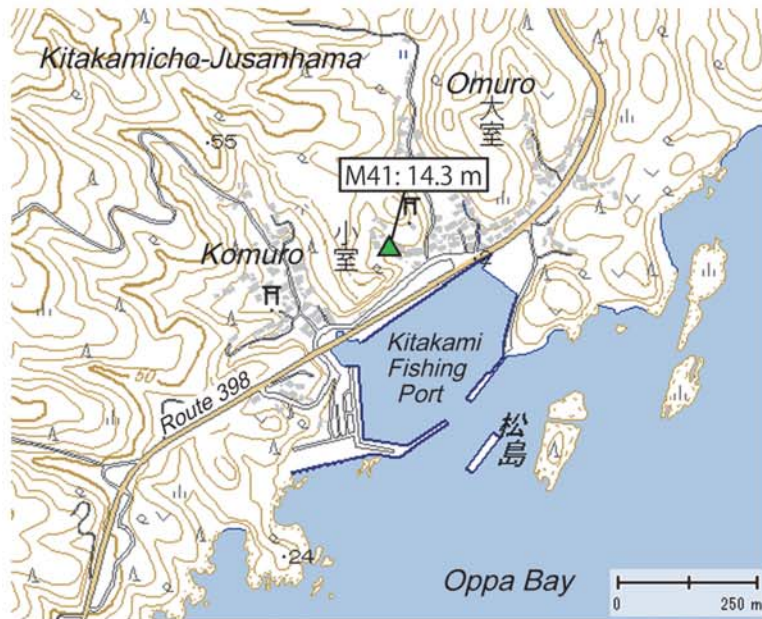


Fig. A185. Tsunami height at Omuro, Kitakamicho-Jusanhama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A186. (a)-(c) Damage at Omuro. (d) Tsunami trace survey point at an outdoor unit of an air conditioner on an eave of Mr. Sasaki's house (2.75 m above ground level, M41)



Fig. A187. Tsunami height at Shirahama, Kitakamicho-Jusanhama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A188. (a)-(c) Damage at Shirahama. (d) Tsunami trace survey point on a wall of the second floor of Mr. Sato's house (6.09 m above ground level, M42).



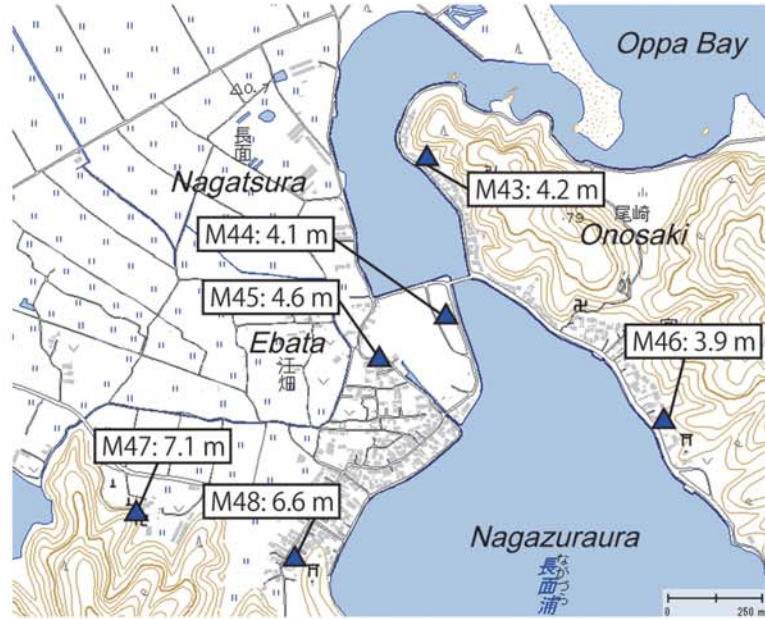
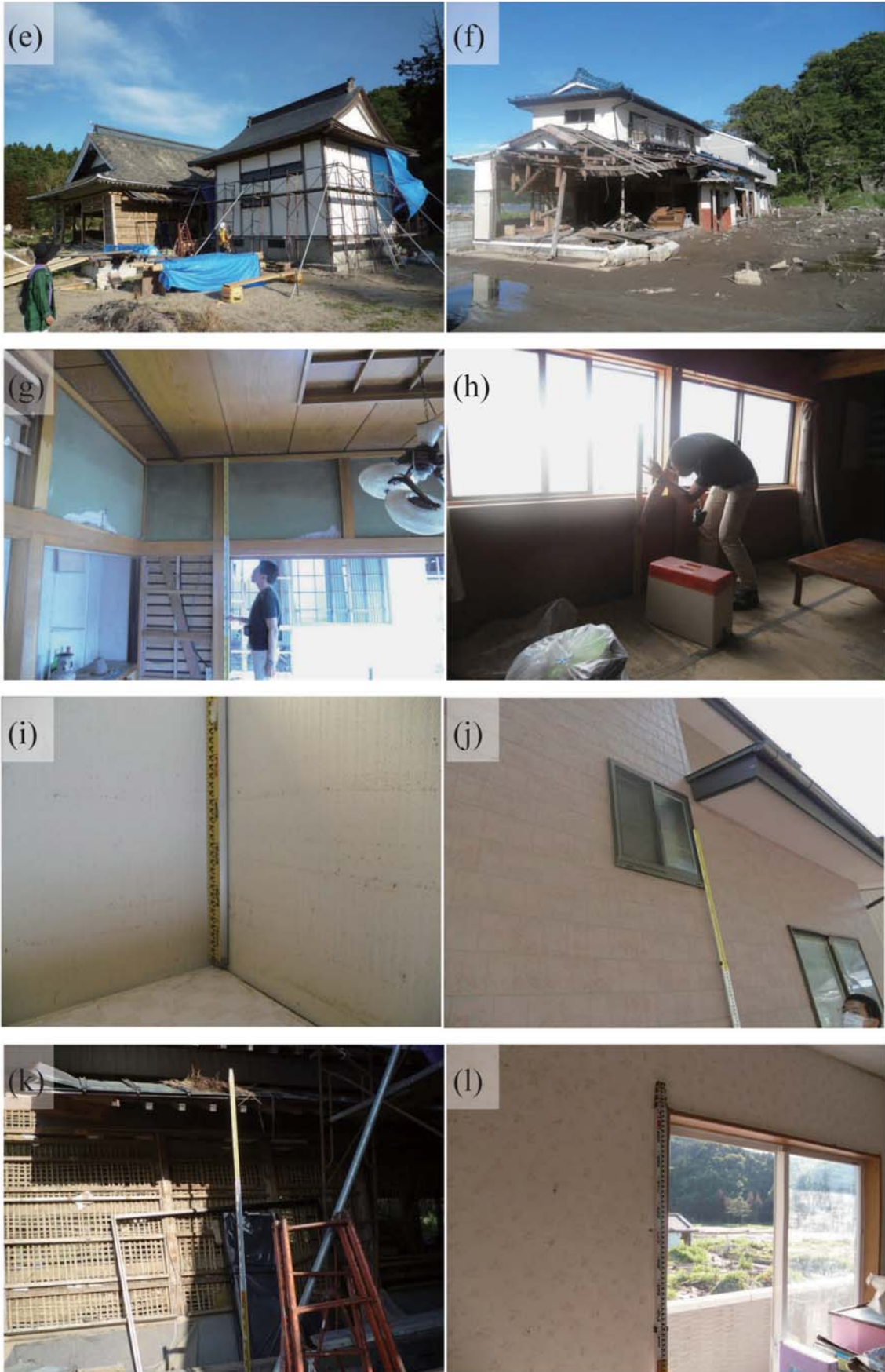


Fig. A189. Tsunami heights at Onosaki (M43 and M46) and Nagatsura (M44, M45, M47, and M48), Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A190. (a)-(f) Damage at Onosaki and Nagatsura. (g) Tsunami trace survey point on a wall of Mr. Hamahata's house (2.46 m above floor level, M43). (h) Tsunami trace survey point on a wall of a house at a bridge in western Onosaki (0.32 m above second floor level, M44). (i) Tsunami trace survey point on a wall of a house facing northwest to the bridge at Onosaki (2.98 m above ground level, M45). (j) Tsunami trace survey point on a wall of a house on the eastern coast of Nakatsuraura (2.60 m above ground level, M46). (k) Tsunami trace survey point on a wall of Ryukokuji Kannondo (5.00 m above ground level, M47). (l) Tsunami trace survey point on a wall of Mr. Suzuki's house (5.57 m above ground level, M48).



(continued)





Fig. A191. Tsunami height at Nishimiyayama, Kamaya, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

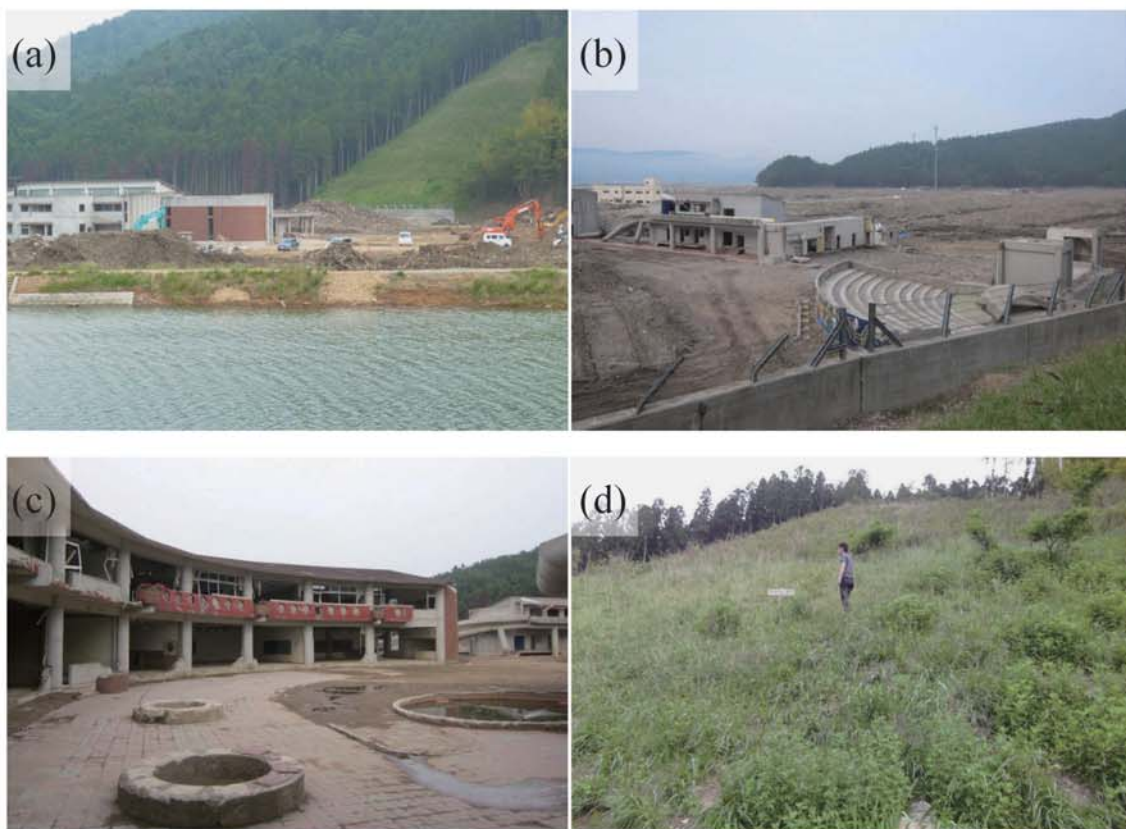


Fig. A192. (a)-(c) Damage at Nishimiyayama. (d) Tsunami trace survey point on a southern slope (M49).

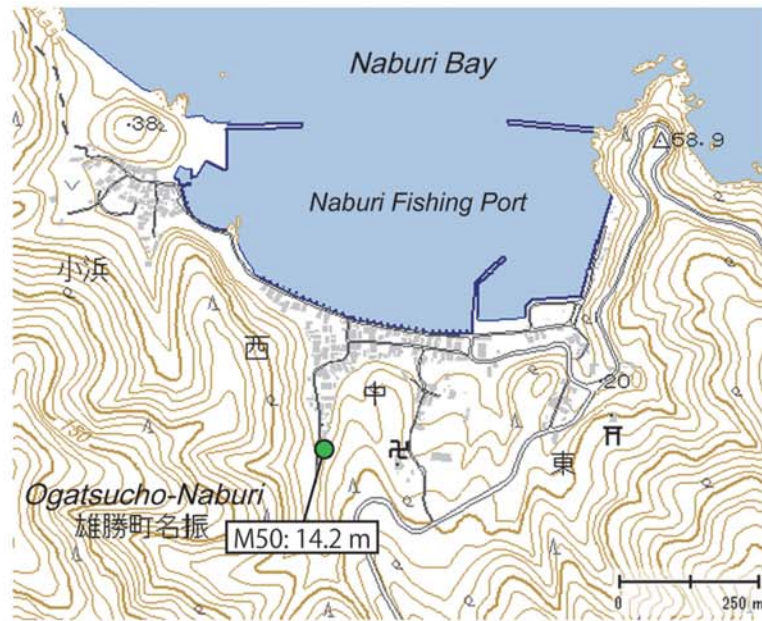


Fig. A193. Tsunami height at Ogatsucho-Naburi, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

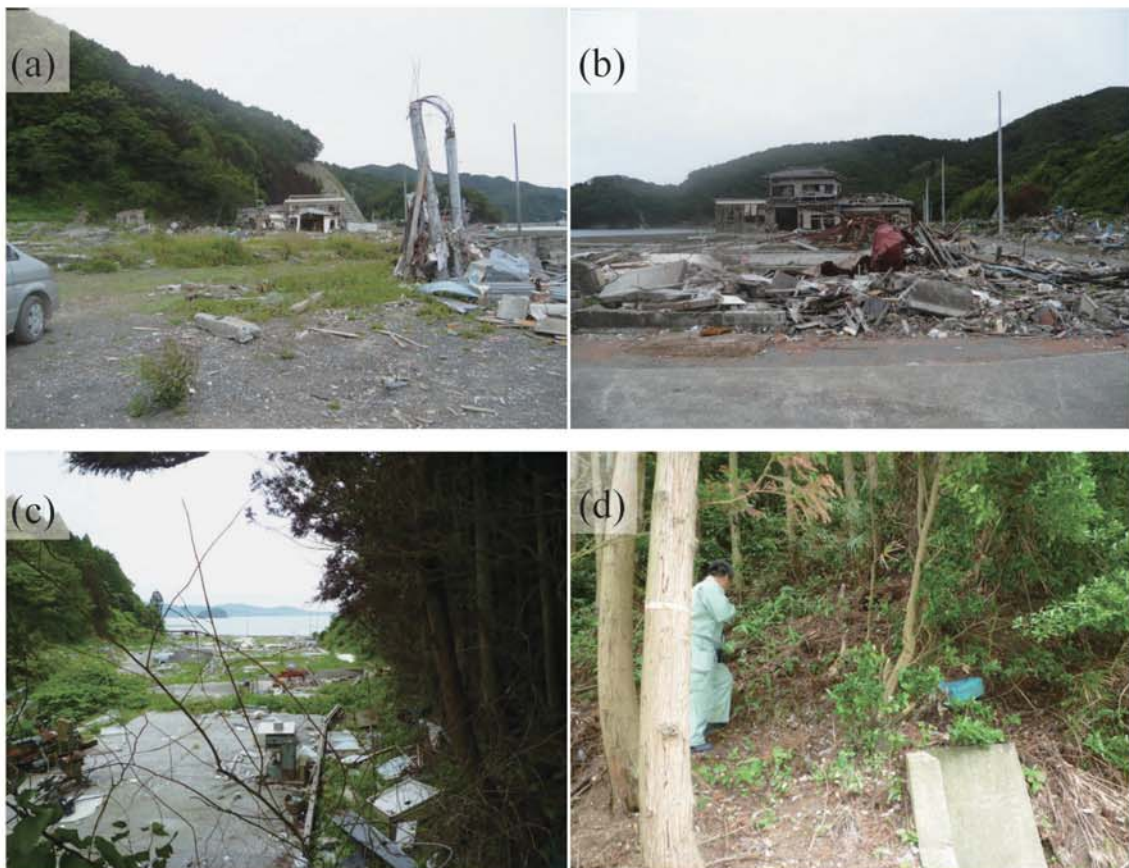


Fig. A194. (a)-(c) Damage at Ogatsucho-Naburi. (d) Tsunami trace survey point on a southern slope (M50).



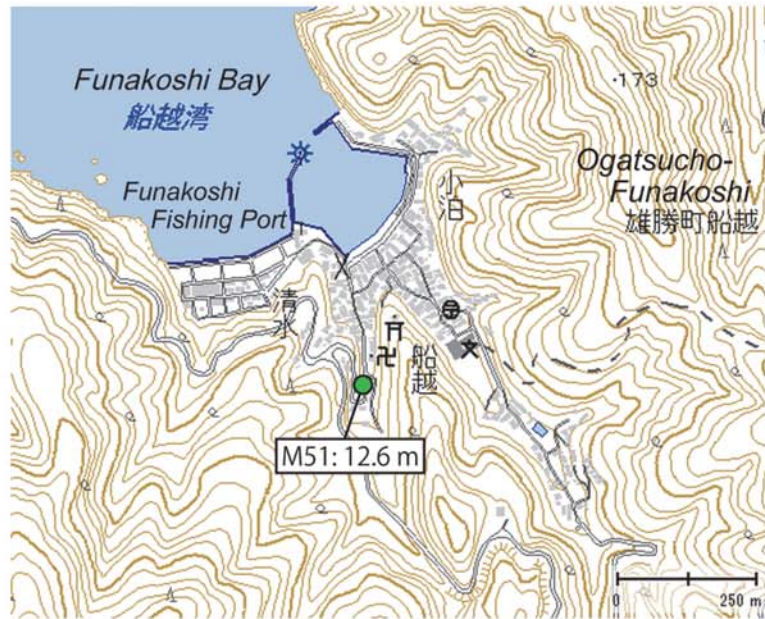


Fig. A195. Tsunami height at Ogatsucho-Funakoshi, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A196. (a)-(c) Damage at Ogatsucho-Funakoshi. (d) Tsunami trace survey point on a southern slope beside a grave (M51).

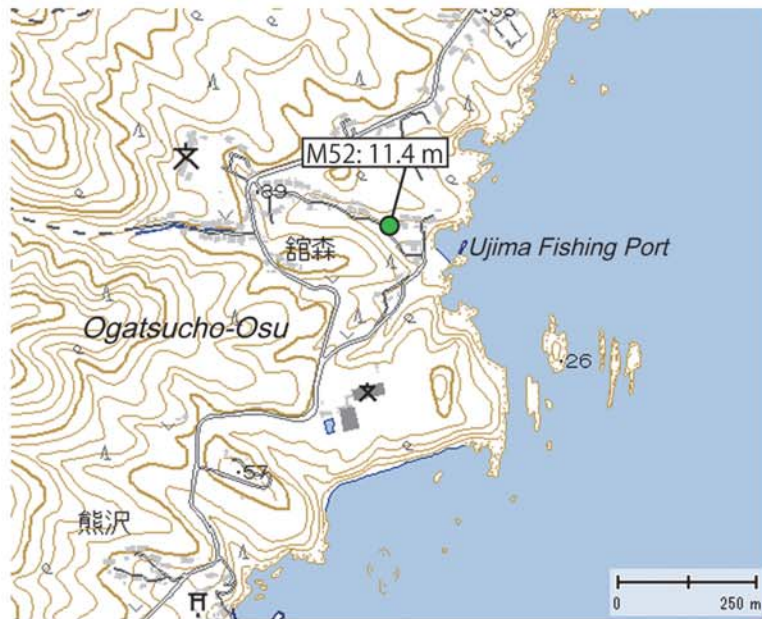


Fig. A197. Tsunami height at Ogatsucho-Osu, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A198. (a)-(c) Damage at Ogatsucho-Osu. (d) Tsunami trace survey point on the slope (M52).





Fig. A199. Tsunami height at Ogatsuchō-Kuwanohama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

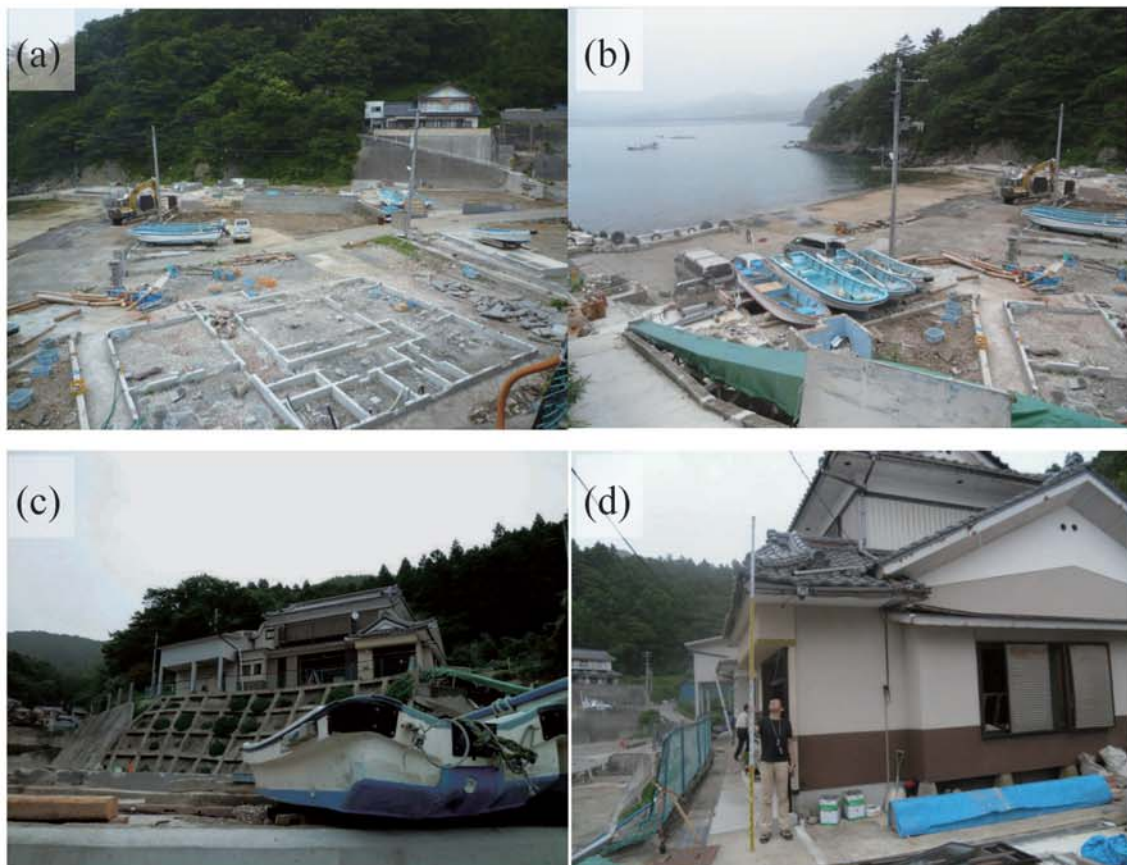


Fig. A200. (a)-(c) Damage at Ogatsuchō-Kuwanohama. (d) Tsunami trace survey point on the roof of Mr. Naganuma's house (3.20 m above ground level, M53).



Fig. A201. Tsunami heights at Ogatsucho-Tachihama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A202. (a)-(b) Damage at Ogatsucho-Tachihama. (c) Tsunami trace survey point on the southern slope (M54). (d) Tsunami trace survey point on a northern slope (M55).



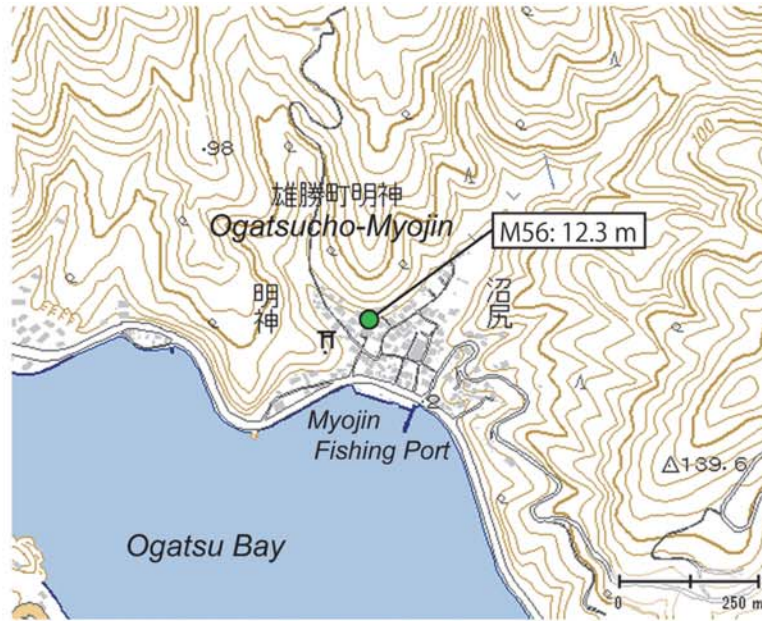


Fig. A203. Tsunami height at Ogatsucho-Myojin, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A204. (a)-(c) Damage at Ogatsucho-Myojin. (d) Tsunami trace survey point behind Namikirifudo (a Buddhist statue) at the northern slope (M56).



Fig. A205. Tsunami height at Funatoshinmei, Ogatsucho-Ogatsu, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A206. (a)-(c) Damage at Funatoshinmei. (d) Tsunami trace survey point at a slope behind Mr. Sugiyama's house (M57).





Fig. A207. Tsunami height at Karakuwa, Ogatsuchō-Ogatsu, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A208. (a)-(c) Damage at Karakuwa. (d) Tsunami trace survey point on the southern slope (4.90 m above ground level, M58).

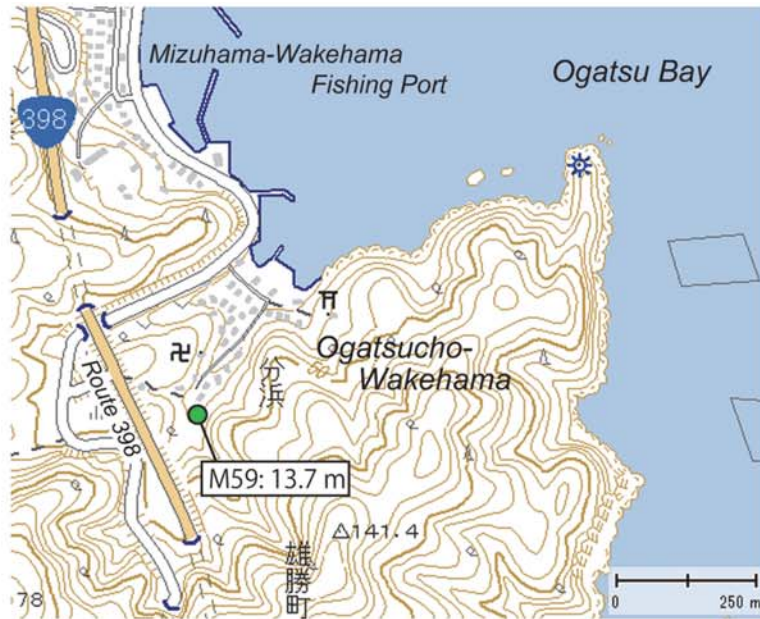


Fig. A209. Tsunami height at Wakehama, Ogatsucho-Wakehama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A210. (a)-(c) Damage at Wakehama. (d) Tsunami trace survey point on a slope beside the Kogenin (M59).





Fig. A211. Tsunami height at Namiita, Ogatsucho-Wakehama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A212. (a)-(c) Damage at Namiita. (d) Tsunami trace survey point on a western slope (M60).





Fig. A213. Tsunami height at Ishihama, Onagawa Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A214. (a)-(b) Damage at Ishihama. (c)-(d) Tsunami trace survey point at a slope beside the entrance to a grave site (M61).





Fig. A215. Tsunami height at Oishiharahama, Onagawa Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A216. (a)-(c) Damage at Oishiharahama. (d) Tsunami trace survey point at a slope behind the sixth Onagawa elementary school and the fourth junior high school (M62).

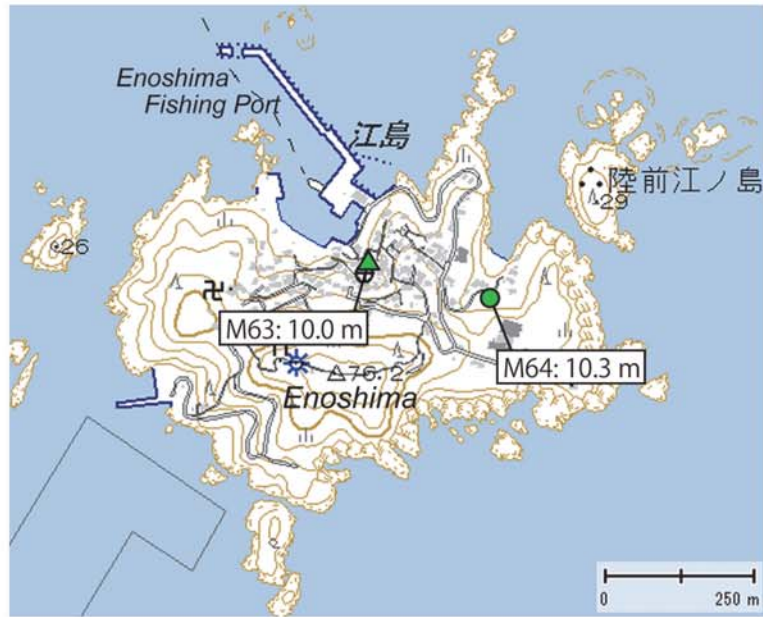


Fig. A217. Tsunami heights at Enoshima, Onagawa Town, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A218. (a)-(b) Damage at Enoshima. (c) Tsunami trace survey point on a wall of the fishermen's cooperative building (M63). (d) Tsunami trace survey point near a well (M64).



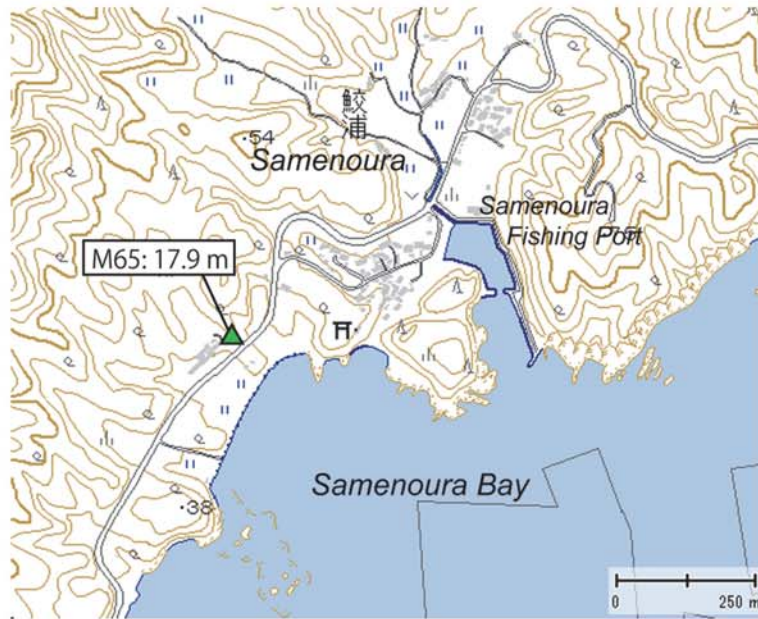


Fig. A219. Tsunami height at Samenoura, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A220. (a)-(b) Damage at Samenoura. (c)-(d) Tsunami trace survey point on a hill behind the Samenoura dormitory of Tohoku Electric Power Engineering (1.10 m above ground level, M65).

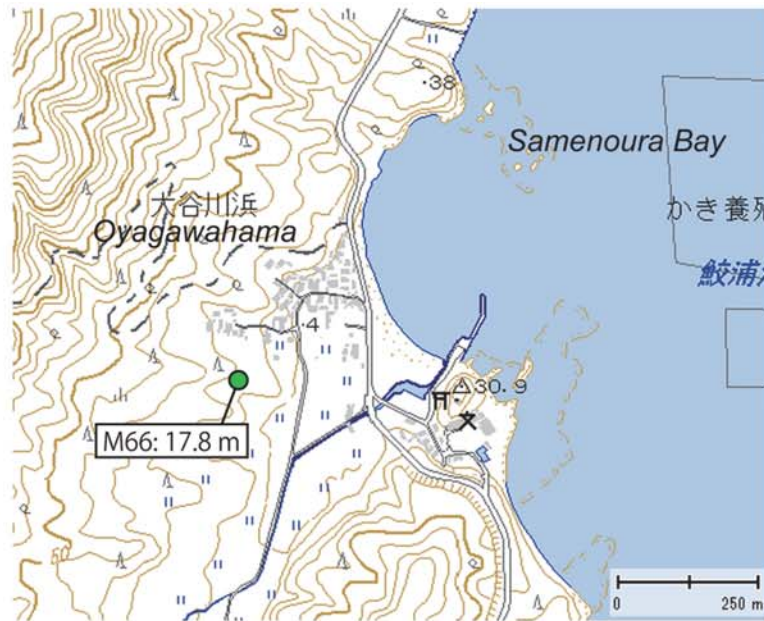


Fig. A221. Tsunami height at Oyagawahama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

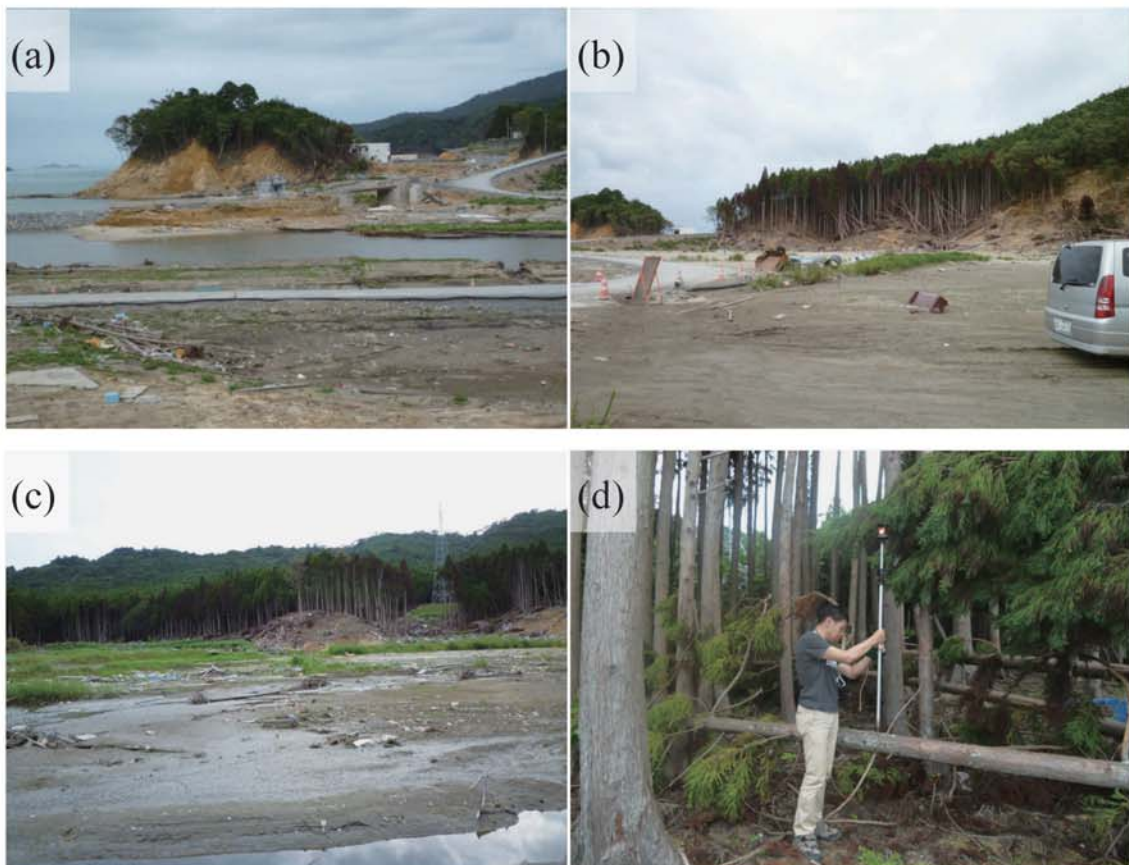


Fig. A222. (a)-(c) Damage at Oyagawahama. (d) Tsunami trace survey point on a hill on the western slope (M66).



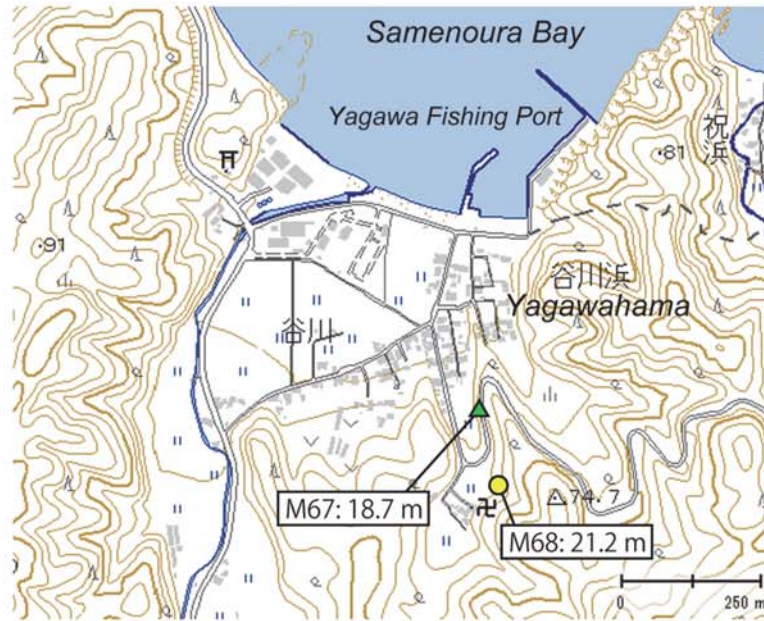


Fig. A223. Tsunami heights at Yagawahama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A224. (a)-(b) Damage at Yagawahama. (c) Tsunami trace survey point on a tree on the eastern slope (2.80 m above ground level, M67). (d) Tsunami trace survey point at a grave site beside the temple Dofukudera (M68).

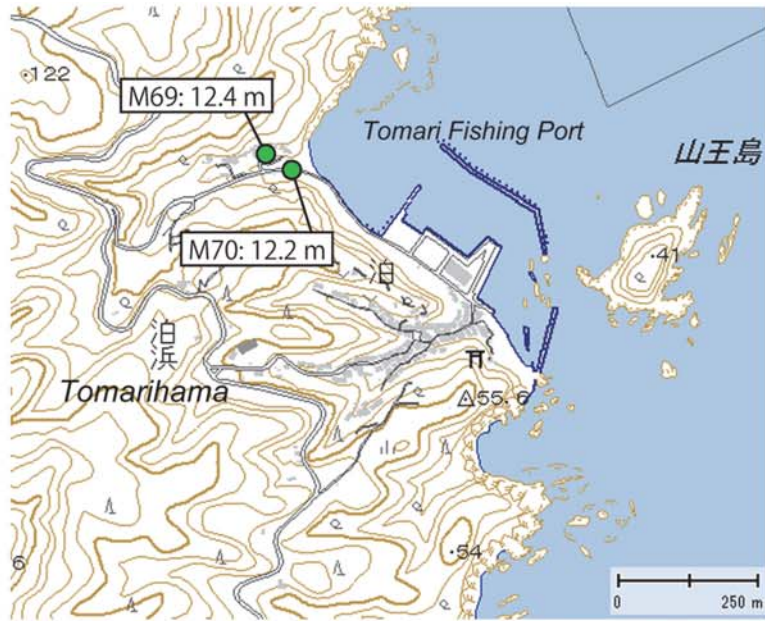


Fig. A225. Tsunami heights at Tomarihama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 4.



Fig. A226. (a) Damage at Tomarihama. (b) Tsunami trace survey point on the slope (M69). (c)-(d) Tsunami trace survey point on the slope (M70).



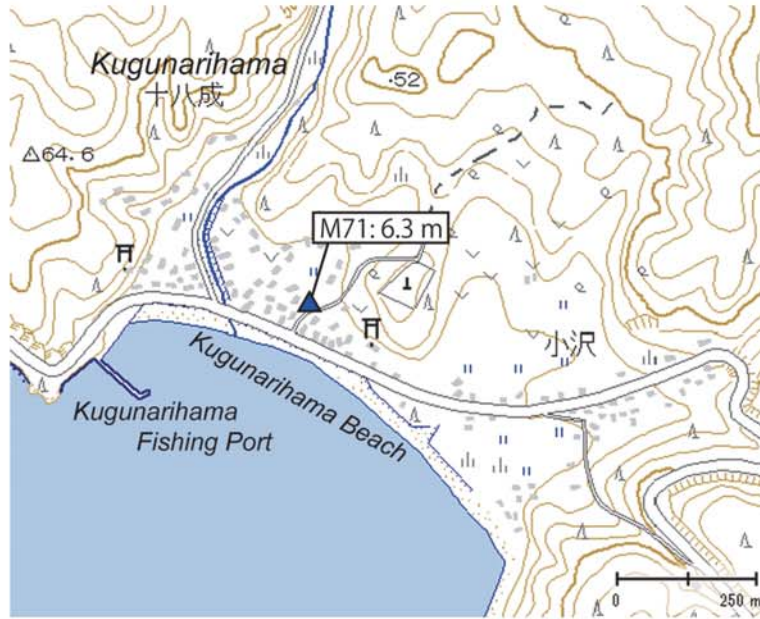


Fig. A227. Tsunami height at Kugunarihama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A228. (a)-(b) Damage at Kugunarihama. (c)-(d) Tsunami trace survey point on a wall of Mr. Sato's house (3.10 m above ground level, M71).



Fig. A229. Tsunami height at Koamikurahama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A230. (a)-(c) Damage at Koamikurahama. (d) Tsunami trace survey point at a slope (M72).



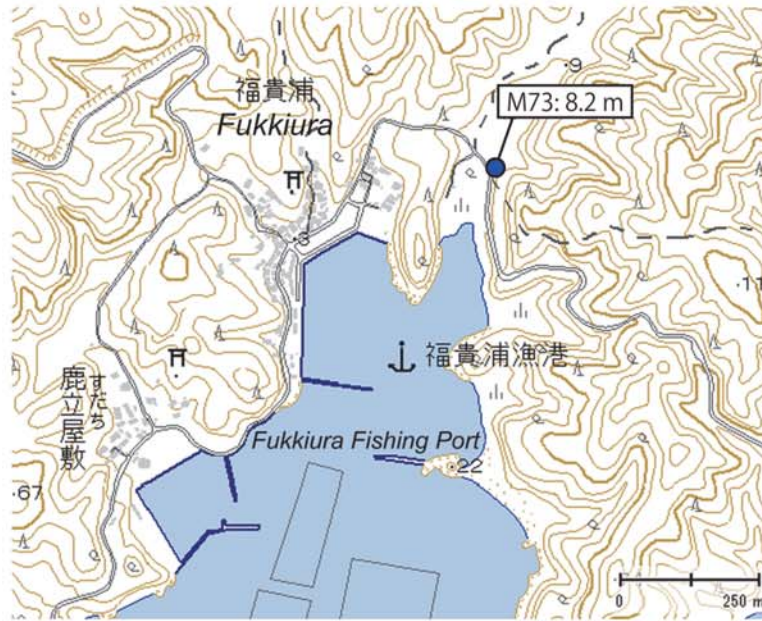


Fig. A231. Tsunami height at Fukkiura, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

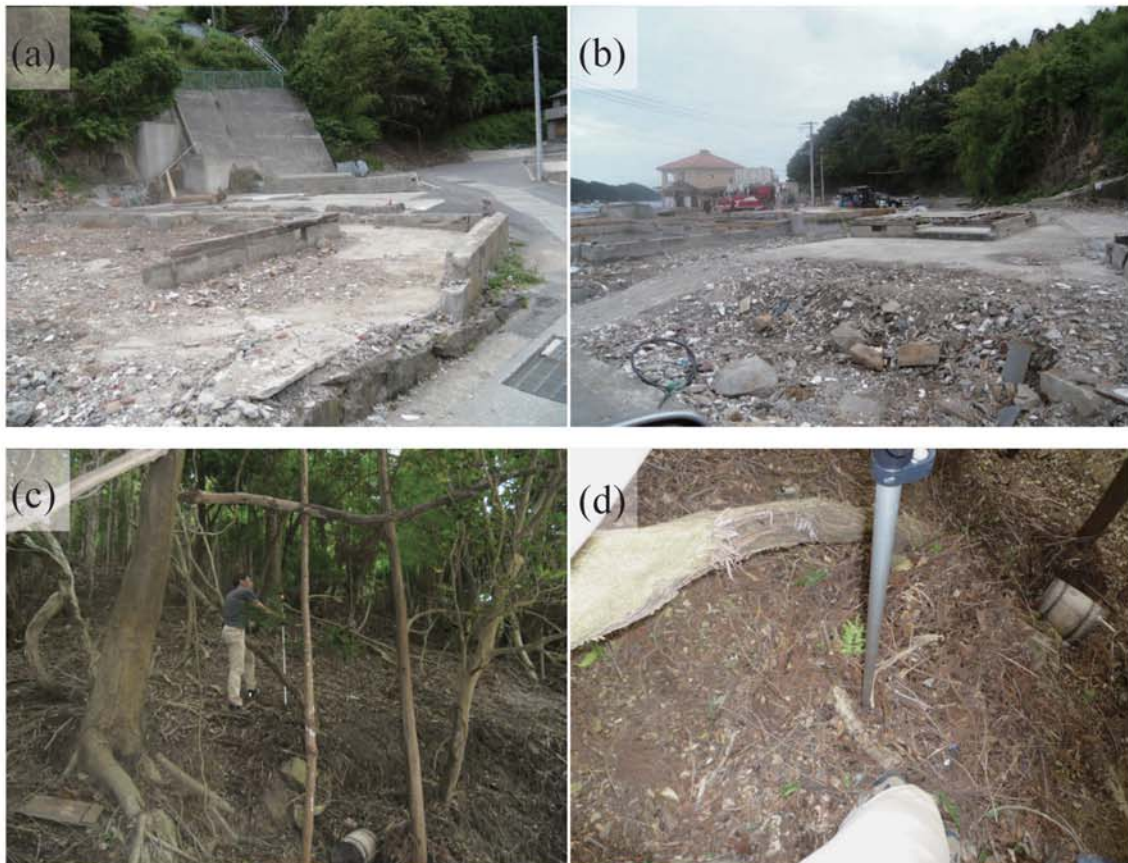


Fig. A232. (a)-(b) Damage at Fukkiura. (c)-(d) Tsunami trace survey point at an eastern slope (M73).





Fig. A233. Tsunami height at Kitsunezakihamahama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

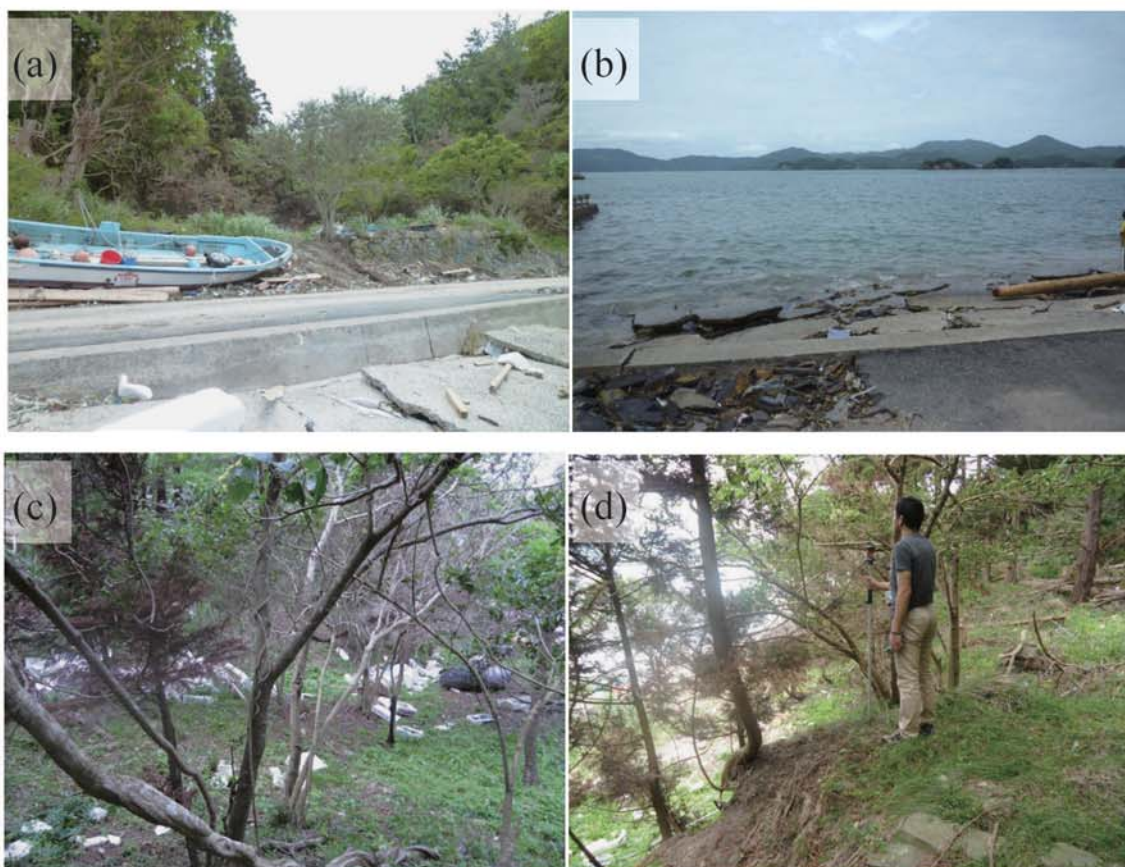


Fig. A234. (a)-(b) Damage at Kitsunezakihamahama. (c)-(d) Tsunami trace survey point at the southern slope (M74).



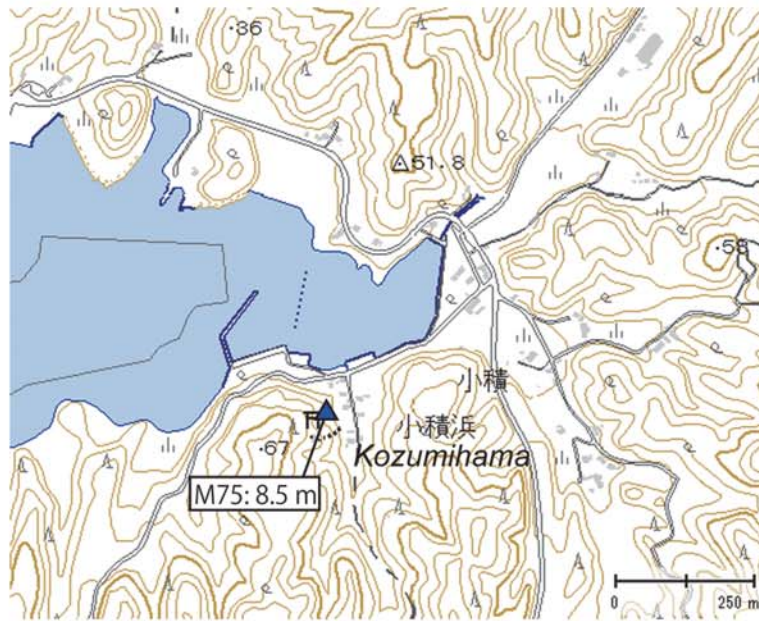


Fig. A235. Tsunami height at Kozumihama, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.

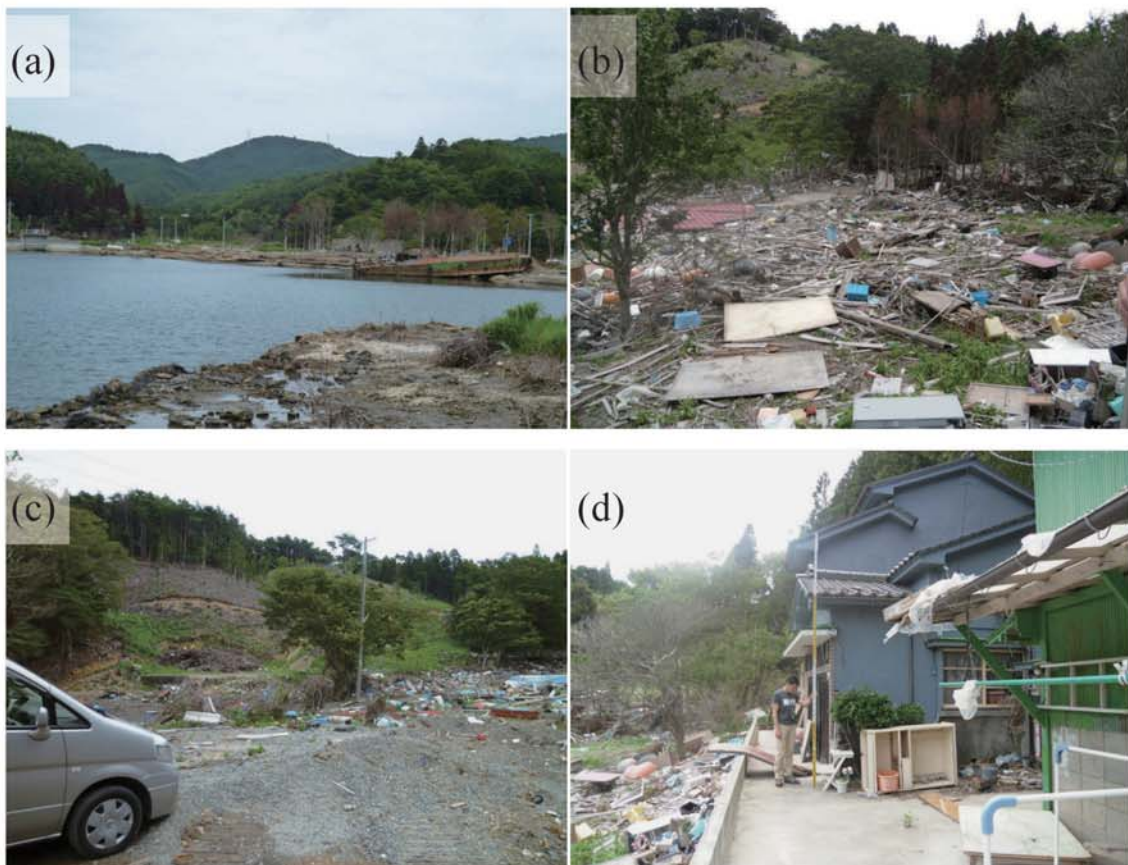


Fig. A236. (a)-(c) Damage at Kozumihama. (d) Tsunami trace survey point at the roof of Mr. Kimura's house (3.20 m above ground level, M75).



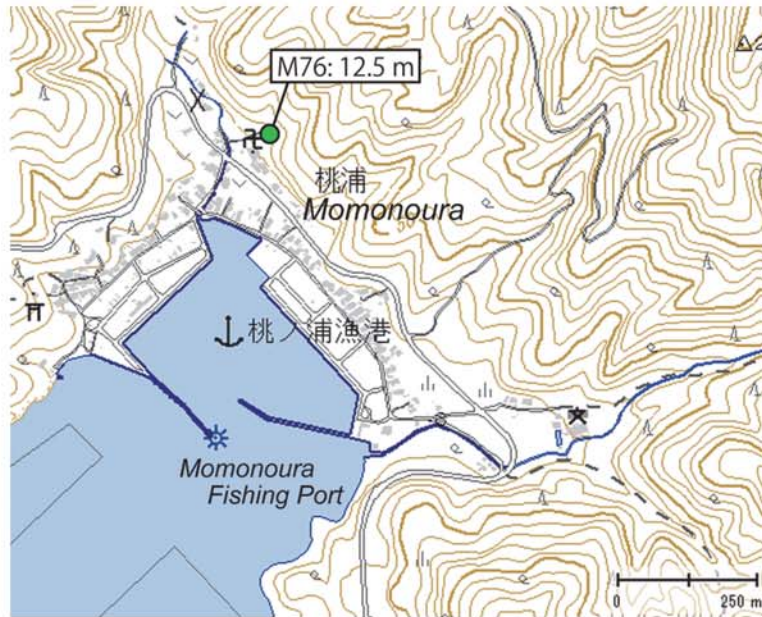


Fig. A237. Tsunami height at Momonoura, Ishinomaki City, Miyagi Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 4.



Fig. A238. (a)-(c) Damage at Momonoura. (d) Tsunami trace survey point at the northern slope behind the temple Tosenin (M76).





Fig. A239. Tsunami heights at Hirakatacho, Kitaibaraki City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 5.



Fig. A240. (a)-(d) Damage at Hirakatacho. (e) Watermark on windowpanes of a house near Hirakata Fishing Port (1.95 m above ground level, B1). (f) Watermark on a window frame of the house at the right side of the figure (1.435 m above ground level, B2). (g) Watermark on windowpanes of entrance doors of Minshuku Yanagiya (0.89 m above ground level, B3). (h) Tsunami inundation limit at a slope behind a grave site (B4). (i) Tsunami inundated on the first step of a concrete stairway in a southern coastal residential area (B5).



(continued)





Fig. A241. Tsunami height at Otsucho (Otsu Fishing Port), Kitaibaraki City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A242. (a)-(e) Damage at Otsucho (Otsu Fishing Port). (f) Ice plant of Otsu Fishermen's Association in the port (tsunami trace survey point). (g)-(h) Watermark on a wall of the ice plant (2.25 m above ground level, B6).



(continued)





Fig. A243. Tsunami height at Sekinamicho-Kamiokashimo, Kitaibaraki City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A244. (a) Debris on the roadside of the National Highway 6 in Sekinamicho-kamiokashimo. (b) Sand deposit and dead farm products in a field at Sekinamicho-Kamiokashimo. (c) Mr. Aida's house at Sekinamicho-Kamiokashimo (tsunami trace survey point). (d) Watermark at the lower part of entrance sliding doors of Mr. Aida's house (0.15 m above ground level, B7).



Fig. A245. Tsunami height at Sekinamicho-Kamiokakami, Kitaibaraki City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A246. (a)-(b) Debris in a field beside National Highway 6 in Sekinamicho-Kamiokakami. (c) Debris and dry grass at the survey point. (d) Tsunami trace survey point in a field beside the road (B8).





Fig. A247. Tsunami height at Isoharacho-Isohara, Kitaibaraki City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A248. (a)-(b) Damage at Isoharacho-Isohara. (c) Watermark on the wall of the building of the Murata Ironworks. (d) Tsunami trace survey point at the Murata Ironworks (2.03 m above ground level, B9).



Fig. A249. Tsunami height at Nakagocho-Onoyasashi, Kitaibaraki City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.

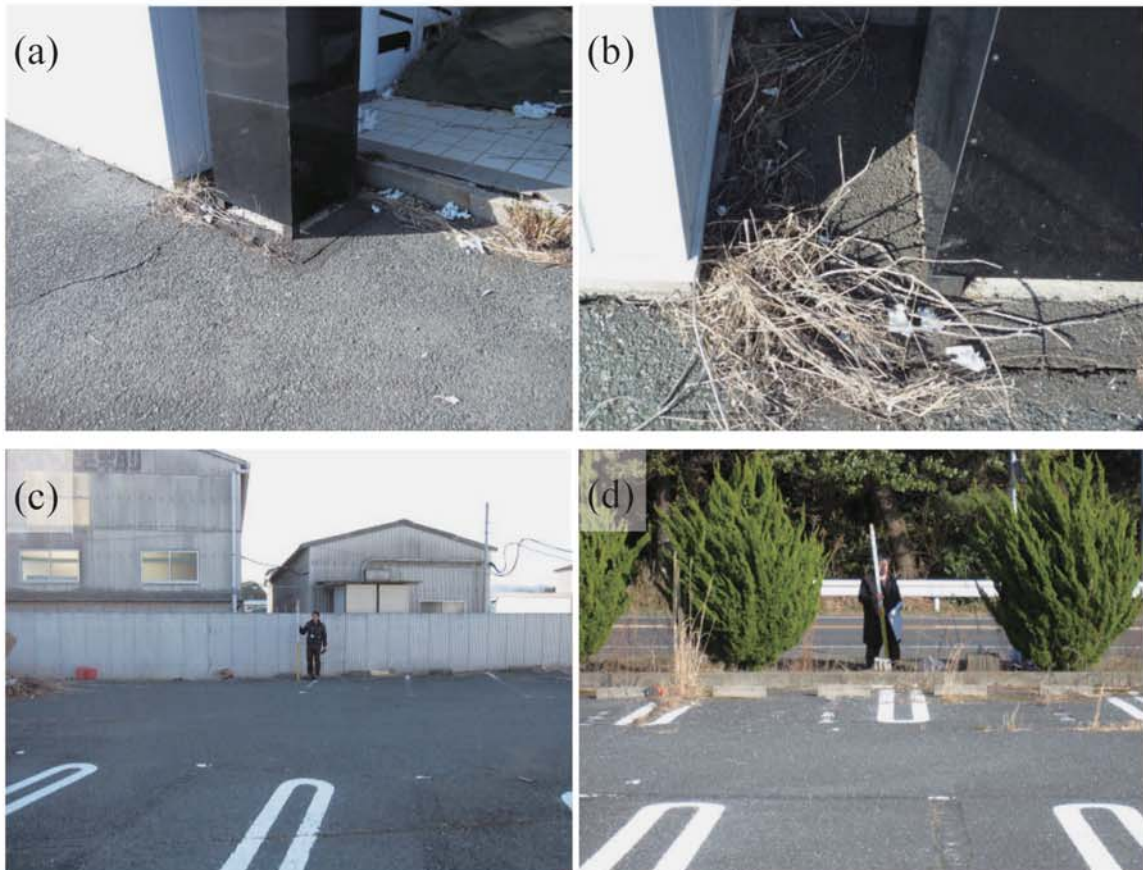


Fig. A250. (a)-(b) Driftage in the parking lot of SLOT CLAB MAX. (c) Tsunami trace survey point at the parking lot (B10). (d) Benchmark used for measuring ground height at the survey point (under the rod).





Fig. A251. Tsunami height at Hizenzo, Takahagi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A252. (a)-(b) Damage at the side of the Sekine River in Hizenzo. (c) Watermark on windowpanes of entrance sliding doors of the sign factory Kibokogei at the riverside in Hizenzo (0.73 m above ground level, B11). (d) Measuring ground height at the survey point based on the water surface in the Sekine River.



Fig. A253. Tsunami height at Arakawa, Takahagi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A254. (a) Liquefaction along the Hananuki River in Arakawa. (b) Tsunami trace survey point at the parking lot of the restaurant Sanukijaya (B12). Tsunami inundated the top of the slope at the parking lot. (c) Measuring ground height at the survey point based on the water surface in the Hananuki River.





Fig. A255. Tsunami height at Kawajiricho, Hitachi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A256. (a)-(b) Damage near the mouth of the Juo River in Kawajiricho. (c) Watermark on windowpanes of Mr. Suzuki's house (1.04 m above ground level, B13). (d) Measuring ground height at the survey point based on the water surface of the Juo River.



Fig. A257. Tsunami heights at Kawajiricho (Port of Kawajiri), Hitachi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 5.



Fig. A258. (a)-(b) Damage at the Port of Kawajiri. (c) Tsunami trace survey point near the port. Watermark remaining on a wall of a house (1.13 m above ground level, B14). (d) Watermark on a wall of a building (1.87 m above ground level, B15).





Fig. A259. Tsunami height at Ogitsucho, Hitachi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A260. (a) Damage near the mouth of the Torenzu River in Ogitsucho. (b) Mr. Ikutame's house damaged by tsunami (tsunami trace survey point). (c) Watermark on a wall of Mr. Ikutame's house (1.34m above ground level, B16). (d) Measuring ground height at the survey point based on water surface in the Torenzu River.



Fig. A261. Tsunami height at Higashinamekawacho, Hitachi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A262. (a) The spa Chojunoyu at the side of the Kita River in Higashinamekawacho (tsunami trace survey point). (b) Damage at the bathroom of the spa Chojunoyu. (c) Damage to riverside walls caused by the tsunami flowing backward in the Kita River (testimony of spa staff). (d) Watermark on windowpanes of the spa Chojunoyu (0.89 m above ground level, B17).





Fig. A263. Tsunami height at Higashicho, Hitachi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A264. (a) Mr. Seya's house in Higashicho (tsunami trace survey point). (b) Tsunami inundated near the entrance sliding doors. (c) Tsunami trace survey point in front of the entrance doors of Mr. Seya's house (B18). (d) Measuring ground height at a survey point based on the water surface of sea.



Fig. A265. Tsunami height at Osecho (Ose Fishing Port), Hitachi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 3.



Fig. A266. (a)-(b) Damage at Ose Fishing Port. (c) Tsunami reached the ceiling on the first floor of the fishery association building in Ose Fishing Port. (d) Watermark on windowpanes of warehouse behind the port (1.75 m above ground level, B19).





Fig. A267. Tsunami heights at Higashinarusawacho, Hitachi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 5.



Fig. A268. (a) Mr. Shimazaki's house damaged by the tsunami (tsunami trace survey point). (b) Watermark on a wall of Mr. Shimazaki's house (1.01 m above ground level, B20). (c) Photographs taken by Mr. Shimazaki show that the tsunami flowed over the top of the seawall around his house (B21). (d) Seawall shown in Mr. Shimazaki's photograph.

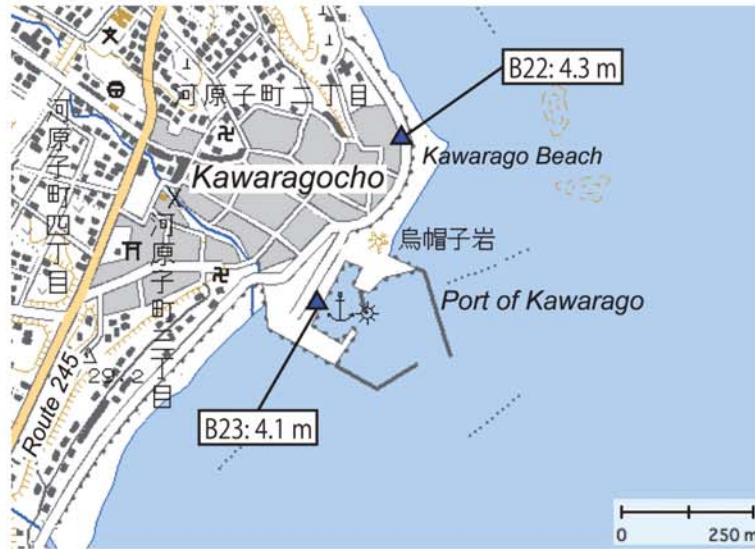
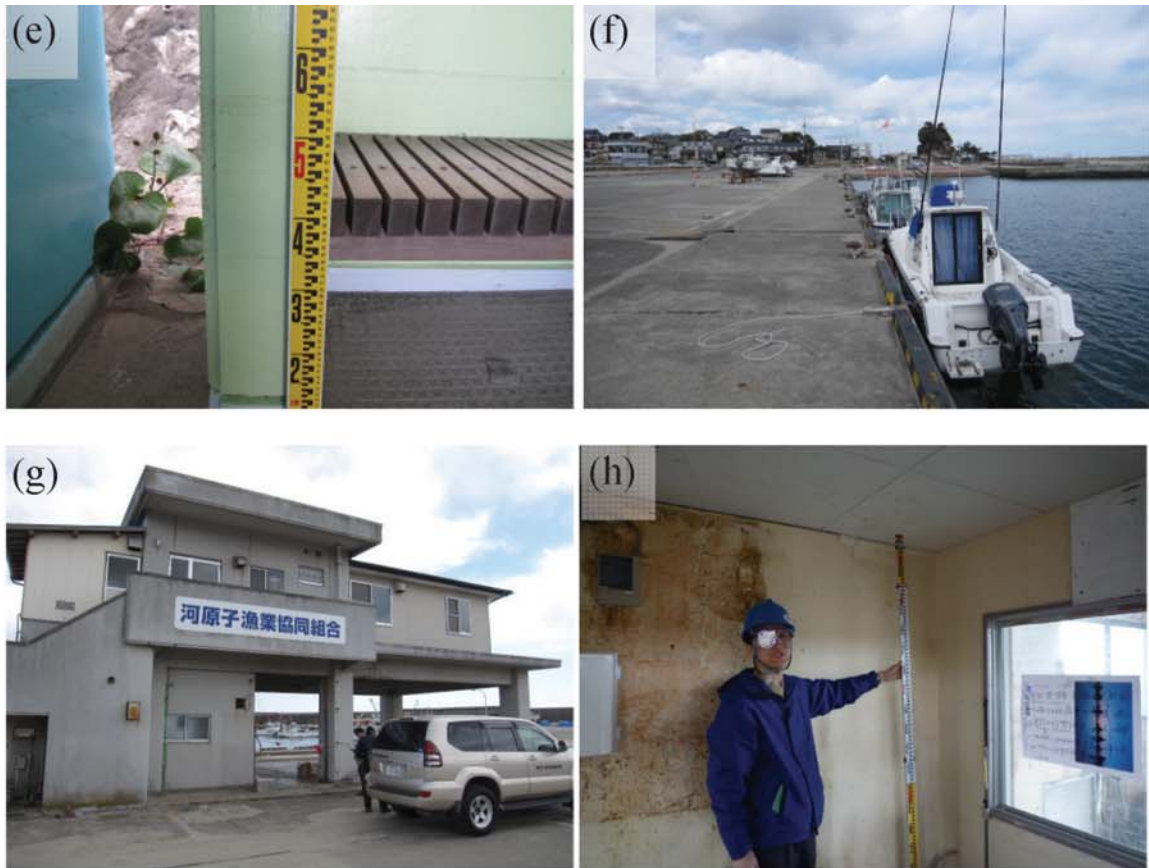


Fig. A269. Tsunami heights at Kawaragocho, Hitachi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 5.



Fig. A270. (a)-(b) Damage at Kawaragocho. (c) Kawarago Beach. (d) Public lavatory beside Kawarago Beach (tsunami trace survey point). (e) Watermark on an inner wall of the public lavatory (0.55 m above ground level, B22). (f) Kawarago Fishing Port. (g) Building of the fishery association in Kawarago Fishing Port (tsunami trace survey point). (h) Watermark on an inner wall at the first floor of the fishery association building (2.035 m above the floor level, B23).





(Continued)

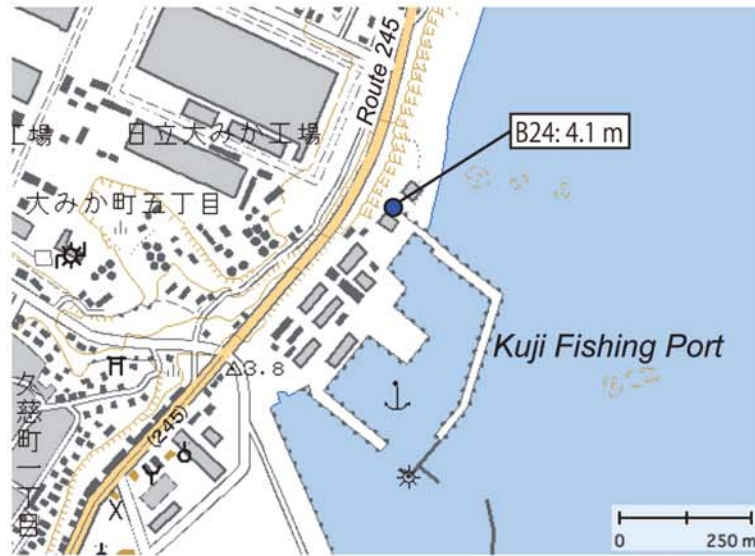


Fig. A271. Tsunami height at Kujicho (Kuji Fishing Port), Hitachi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A272. (a)-(b) Damage at Kuji Fishing Port. (c) Debris and fishing nets on the road beside a warehouse in the port. (d) Tsunami inundation limit based on scattered debris (under the rod, B24).





Fig. A273. Tsunami height at Minatocho (Ibaraki Port Hitachi District), Hitachi City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A274. (a) Trace of tsunami inundation limit on a hill at Nagisa Park. (b) Drifted car that crashed against a fence at Nagisa Park. (c) Public lavatory in Nagisa Park (tsunami trace survey point). (d) Watermark on an inner wall of the public lavatory (1.52 m above ground level, B25).

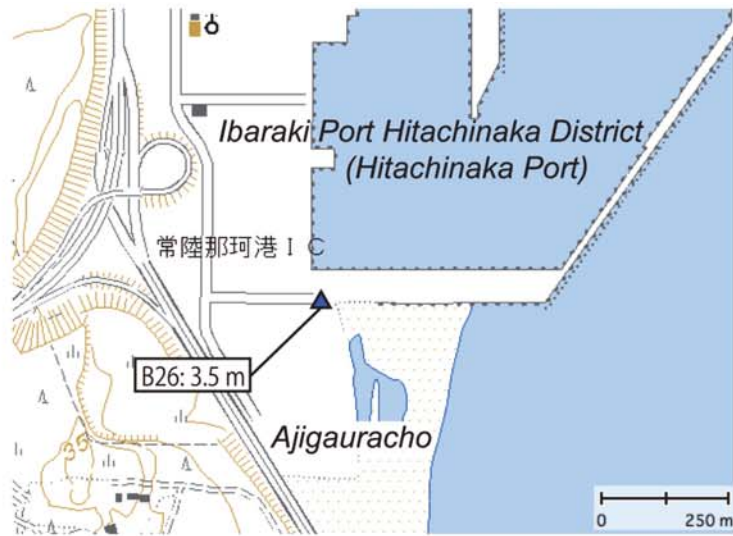


Fig. A275. Tsunami height at Ajigauracho (Ibaraki Port Hitachinaka District), Hitachinaka City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A276. (a) Ibaraki Port Hitachinaka District (Hitachinaka Port). (b) Damage at Hitachinaka Port. (c) Dry grass on a fence at the port. (d) Measuring height of average upper end of dry grass caught on the fence as the tsunami inundation height (1.03 m above ground level, B26).





Fig. A277. Tsunami height at Isozakicho (Isozaki Fishing Port), Hitachinaka City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A278. (a) Isozaki Fishing Port. (b) Damage to shed in Isozaki Fishing Port. (c)-(d) Watermark on windowpanes of shed at the port (1.76 m above ground level, B27).



Fig. A279. Tsunami height at Hiraisocho (Hiraiso Fishing Port), Hitachinaka City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A280. (a)-(b) Damage at Hiraiso Fishing Port. (c)-(d) Watermark on a wall of a building behind the port (1.085 m above ground level, B28).





Fig. A281. Tsunami height at Kaimoncho (Nakaminato Fishing Port), Hitachinaka City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A282. (a)-(b) Damage at Kaimoncho (Nakaminato Fishing Port). (c) Building of fish market in the port (tsunami trace survey point). (d) Watermark on a wall of the market building (1.19 m above ground level, B29).



Fig. A283. Tsunami heights at Minatochuo (Ibaraki Port Oarai District), Oarai Town, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 5.



Fig. A284. (a) Damage at Minatochuo (Ibaraki Port, Oarai District). (b) Ferry terminal building at Oarai Port. (c) Watermark on windowpanes of ferry terminal building (1.575 m above ground level, B30). (d) Another watermark on windowpanes of the ferry terminal building (1.65 m above ground level, B31).





Fig. A285. Tsunami heights at Takeigama (B32 and B33) and Hamatsuga (B34), Kashima City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 5.



Fig. A286. (a) Debris carried by the tsunami in Takeigama. (b) Watermark on a side of a vending machine beside the fisheries processing factory (0.495 m above ground level, B32). (c) Tsunami inundation limit on a road in Takeigama (B33). (d) Watermark on a side of a foundation of Mr. Kudo's house in Hamatsuga (0.08 m above ground level, B34).



Fig. A287. Tsunami height at Higashifukashiba (Kashima Port), Kamisu City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.

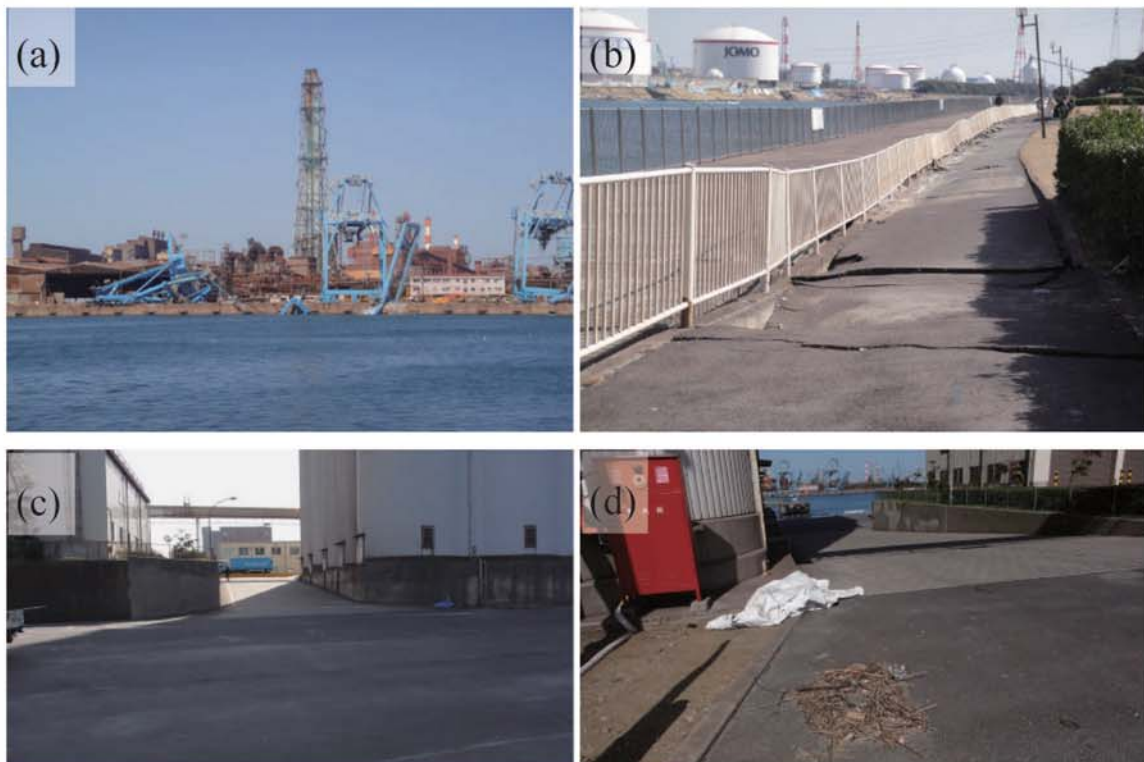


Fig. A288. (a)-(b) Damage due to ground motion in Kashima Port. (c) Tsunami inundation limit at the top of a slope at the factory of Showa Sangyo. (d) Tsunami inundation limit in the factory (B35).





Fig. A289. Tsunami height at Hasakishinko (Shin Fishing Port), Kamisu City, Ibaraki Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 5.



Fig. A290. (a)-(b) Damage around the fishery association building in Shin Fishing Port. (c) Watermark on the entrance doors of the fishery association building (0.898m above ground level; B36). (d) Watermark on a windowpane of the fishery association building.

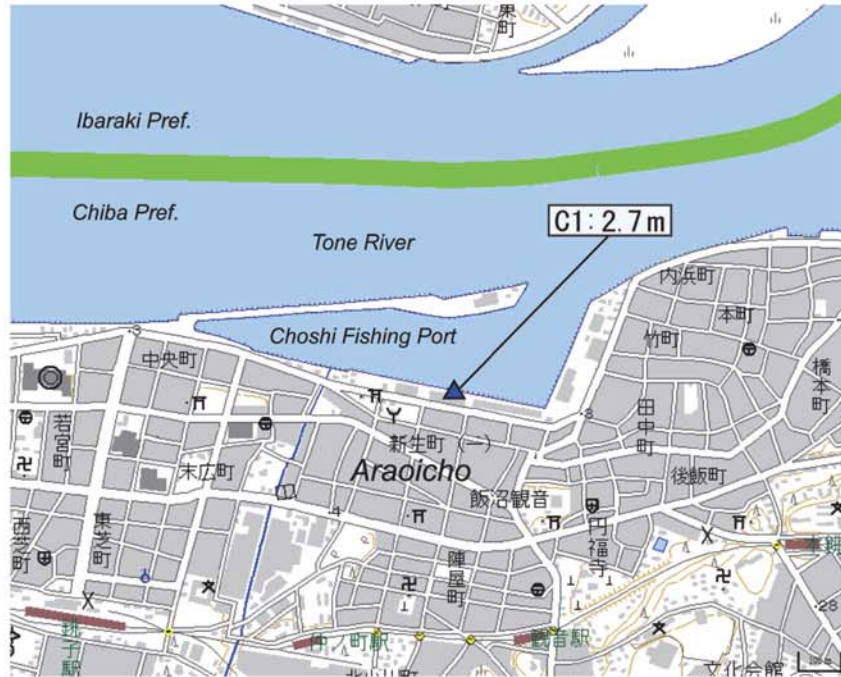


Fig. A291. Tsunami height at Araoicho (Choshi Fishing Port), Choshi City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.

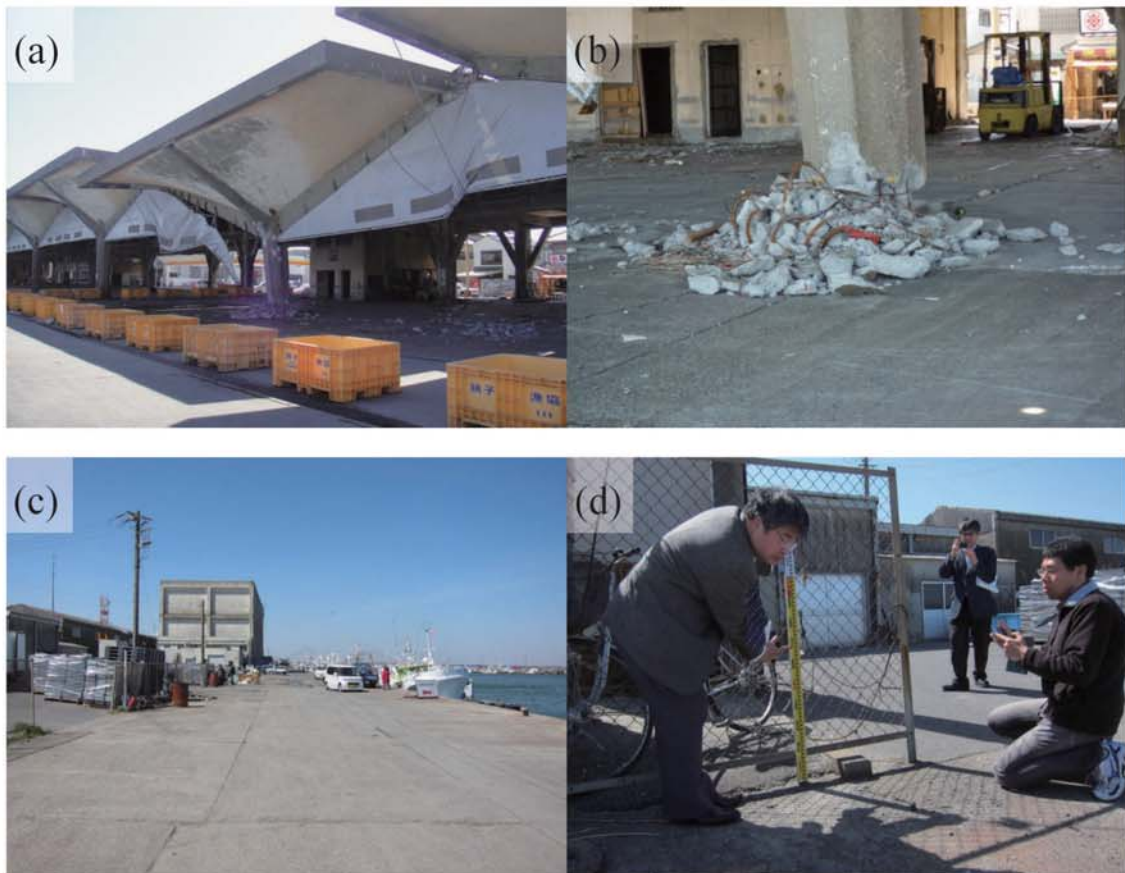


Fig. A292. (a)-(b) Earthquake damage at Choshi fish market building. (c) Choshi Fishing Port. (d) Wastepaper attached to an iron fence near a fish-processing factory (0.65m above ground level; C1).





Fig. A293. Tsunami height at Inuwaka (Inuwaka Fishing Port), Choshi City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A294. (a)-(c) Inuwaka Fishing Port. (d) Watermark on a telephone box near Inuwaka Fishing Port (1.365 m above ground level; C2).



Fig. A295. Tsunami height at Shimonagai (Iioka Fishing Port), Asahi City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A296. (a)-(c) Damage at Iioka Fishing Port. (d) Watermark on the wall of a telephone box in Iioka Fishing Port (1.07 m above ground level; C3).



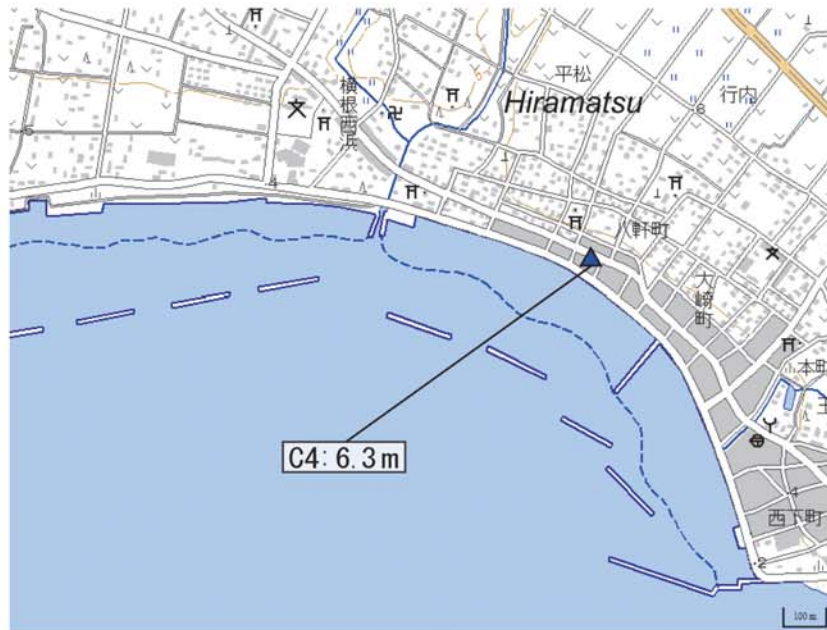


Fig. A297. Tsunami height at Hiramatsu, Asahi City, Chiba Prefecture, (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A298. (a)-(j) Damage at Hiramatsu.



(continued)





Fig. A299. Tsunami heights at Ashikawa, Asahi City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 6.



Fig. A300. (a) Watermark on a wall of a fish-processing factory (1.655 m above ground level; C5). (b)-(d) Tsunami inundated a sanddune near the Yasashi River (C6).

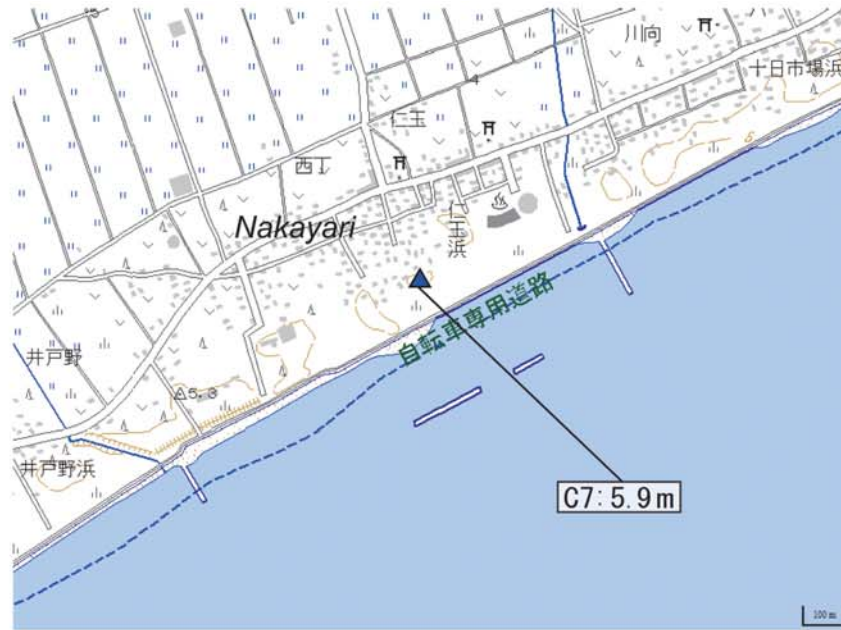


Fig. A301. Tsunami height at Nakayari, Asahi City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A302. (a)-(b) The building of a marine product-processing factory destroyed by the tsunami. (c)-(d) Watermark on a wall of a marine product-processing factory (1.94 m above ground level; C7).





Fig. A303. Tsunami height at Idono, Asahi City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A304. (a)-(c) Tsunami trace survey point at a drift by the roadside (C8). (d) Leeks laid flat by backwash tsunami.



Fig. A305. Tsunami heights at Imaizumi, Sosa City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 6.



Fig. A306. (a)-(b) Watermark on the entrance sliding doors of Mr. Ui's house near the Niibori River (0.37 m above ground level; C9). (c)-(d) Glass and see glass attached to a fence along the Niibori River (0.76 m above ground level; C10).





Fig. A307. Tsunami heights at Odare, Yokoshibahikari Town, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 6.



Fig. A308. (a) Tsunami trace survey point at a drift along the Obu river (C11). (b)-(d) Tsunami trace survey point at a drift by the roadside (C12).

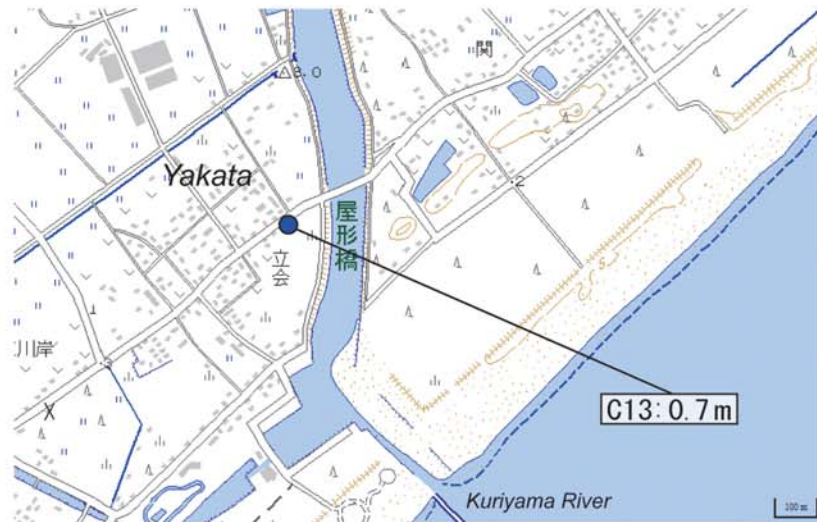


Fig. A309. Tsunami height at Yakata, Yokoshibahikari Town, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A310. (a)-(d) Tsunami trace survey point at a drift along a road (C13).



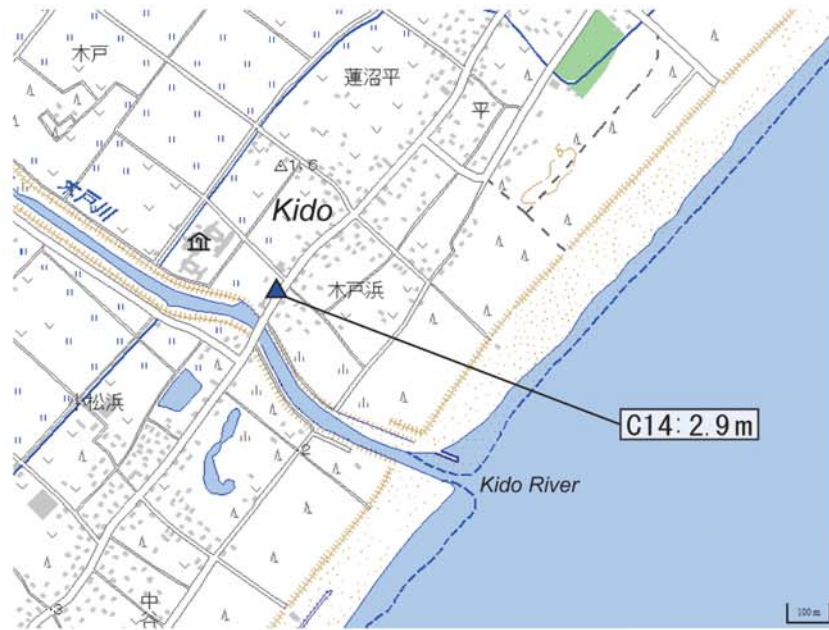


Fig. A311. Tsunami height at Kido, Sammu City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A312. (a)-(b) Damage due to tsunami run-up through the flume. (c)-(d) Watermark on windowpanes of Mr. Uchida's house (1.27 m above ground level; C14).

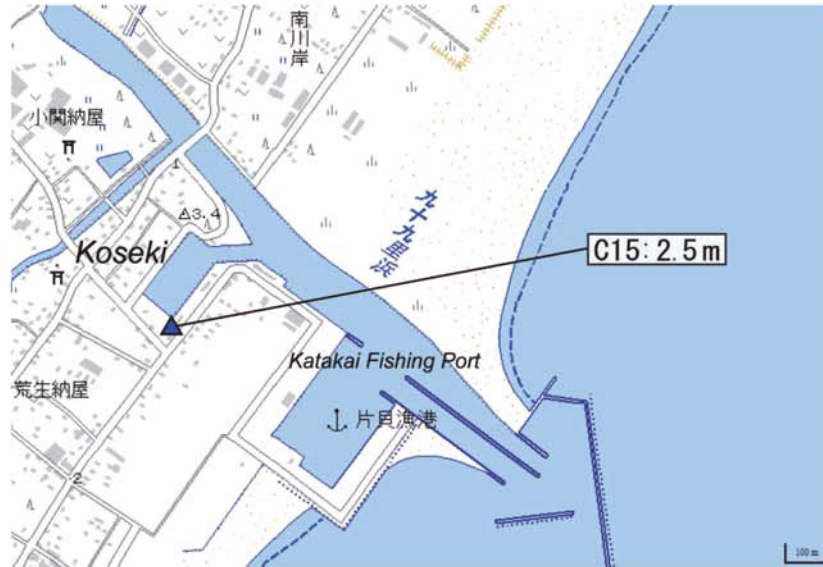


Fig. A313. Tsunami height at Koseki (Katakai Fishing Port), Kujukuri Town, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.

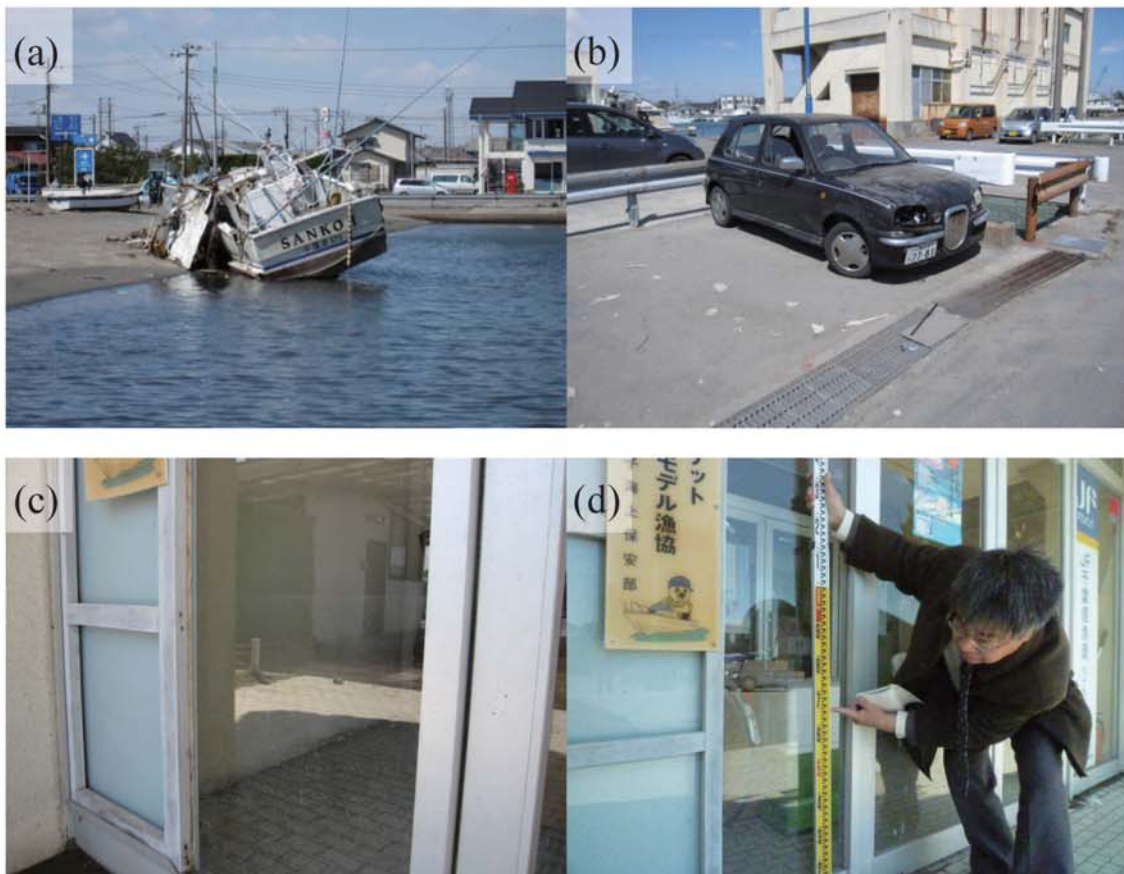


Fig. A314. (a)-(b) Damage at Katakai Fishing Port. (c)-(d) Watermark on windowpanes of Kujukuri fishery association building (0.64 m above ground level; C15).





Fig. A315. Tsunami heights at Fudodo, Kujukuri Town, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 6.



Fig. A316. (a)-(b) Watermark on the prop of a signboard (0.29m above ground level; C16). (c)-(d) Watermark in a tunnel under Kujukuri tollway (0.56m above ground level; C17).

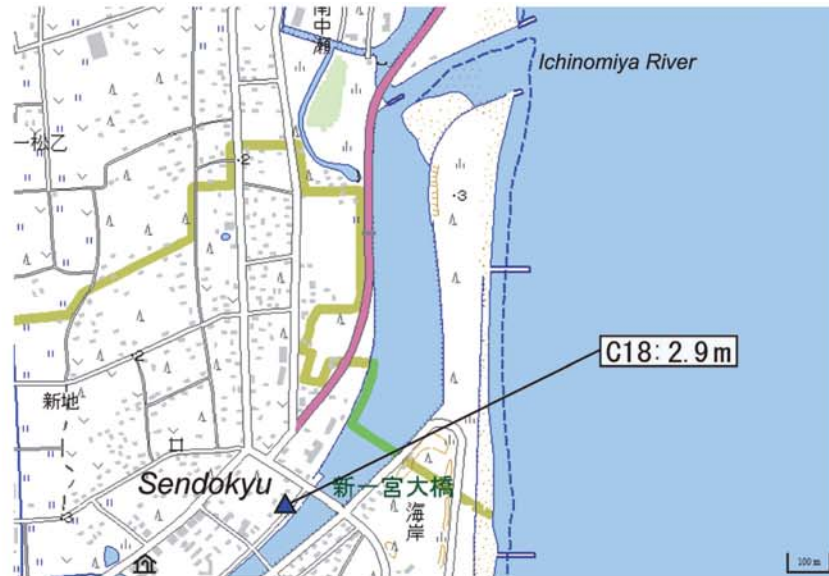


Fig. A317. Tsunami height at Sendokyu, Ichinomiya Town, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.

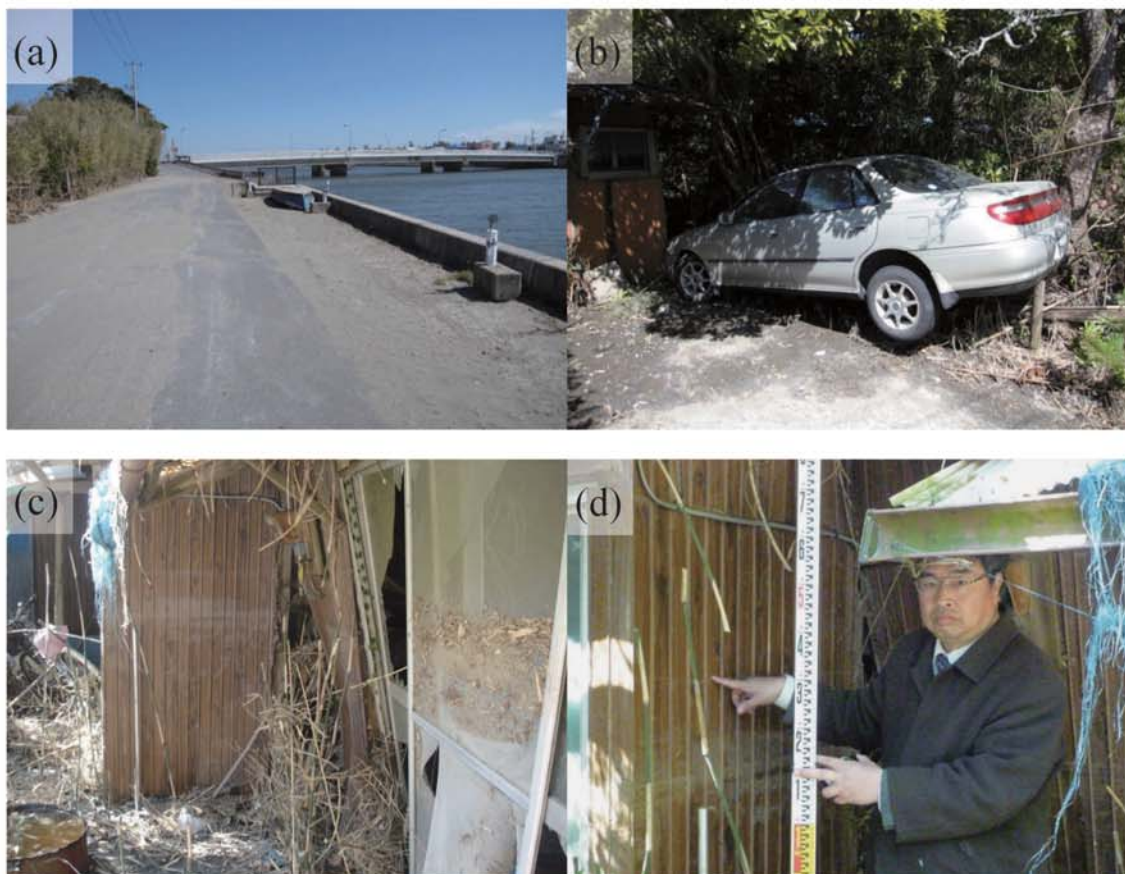


Fig. A318. (a) Large amounts of sand deposits conveyed by the tsunami at the northern side of Ichinomiya River. (b)-(c) Damage at a house in Sendokyu. (d) Watermark on an outer wall of a house (1.29 m above ground level; C18).





Fig. A319. Tsunami height at Ichinomiya, Ichinomiya Town, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A320. (a)-(b) Crossroads inundated by the tsunami at Ichinomiya. (c)-(d) Tsunami trace survey point at a drift close to the crossroads (C19).



Fig. A321. Tsunami heights at Misakicho-Nakahara (Taito Fishing Port), Isumi City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 6.



Fig. A322. (a) Watermark on windowpanes of fishery market office building (2.15 m above ground level; C20) (b)-(c) Tsunami inundation limit at a slope in front of the Isumitobu fishery association building (Taito affiliate)(C21). (d) Sand deposit carried by the tsunami in Taito Fishing Port.





Fig. A323. Tsunami height at Ohara (Ohara Fishing Port), Isumi City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A324. (a)-(c) Ohara Fishing Port. (d) Tsunami trace survey point at the entrance of Isumitobu fishery association office (C22).



Fig. A325. Tsunami heights at Iwafune (Iwafune Fishing Port), Isumi City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 6.

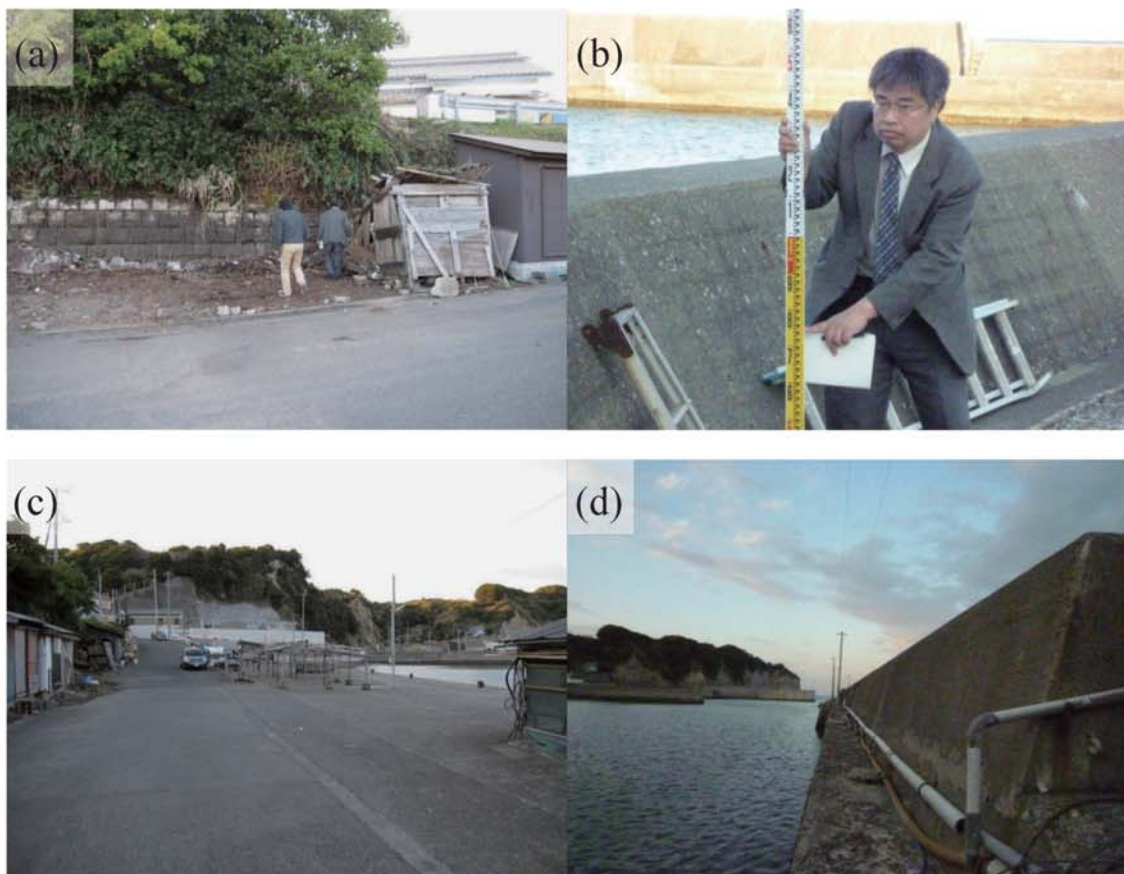


Fig. A326. (a) Damage at Iwafune Fishing Port. (b) Aluminum ladder inundated by the tsunami (C23). (c) Framework of shack inundated by the tsunami (C24). (d) Pipe completely inundated by the tsunami (C25).





Fig. A327. Tsunami height at Hama (Onjuku Fishing Port), Onjuku Town, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 3.



Fig. A328. (a) Freezer building in Onjuku Fishing Port. (b)-(d) Watermark on a wall of freezer building (0.305 m above floor level; C26).



Fig. A329. Tsunami height at Hamakatsuura (Katsuura Fishing Port), Katsuura City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.

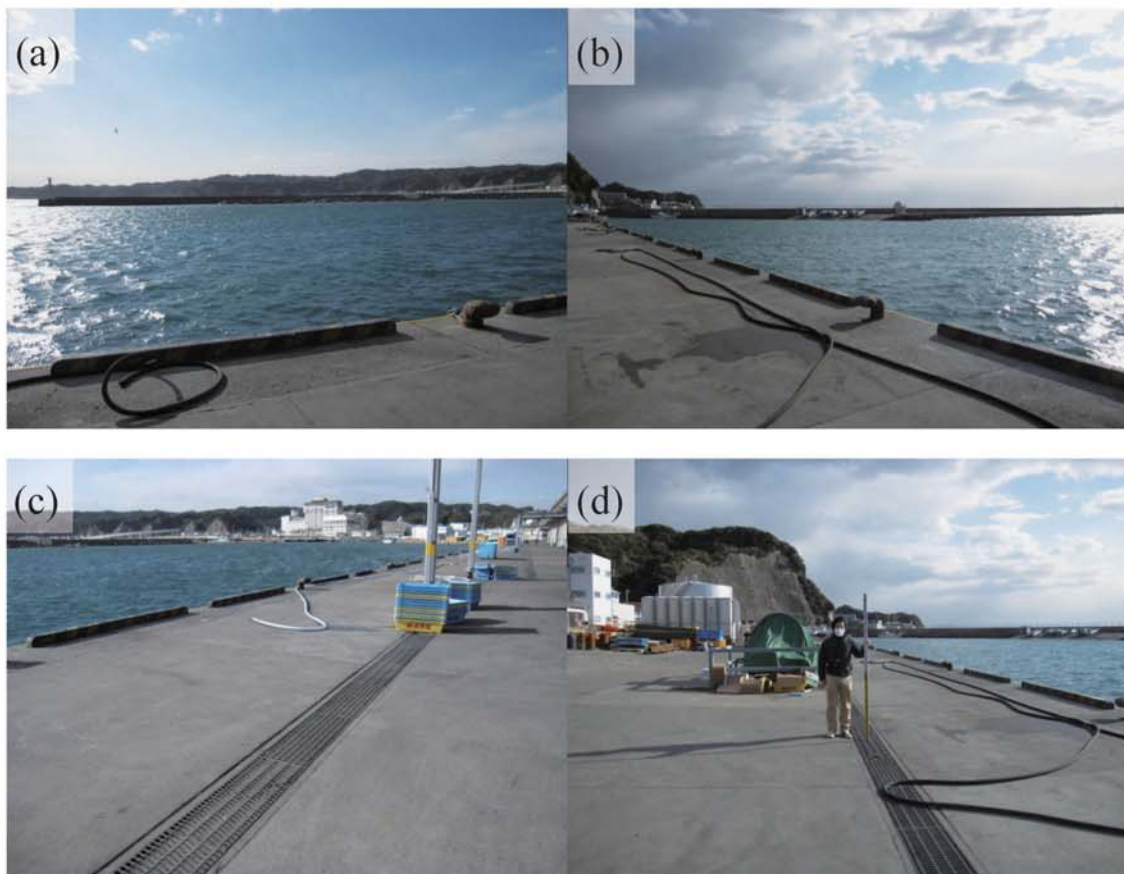


Fig. A330. (a)-(b) Katsuura Fishing Port. (c)-(d) Tsunami trace survey point at the lid of a side ditch (C27).





Fig. A331. Tsunami height at Hamanamegawa (Hamanamegawa Fishing Port), Katsuura City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.

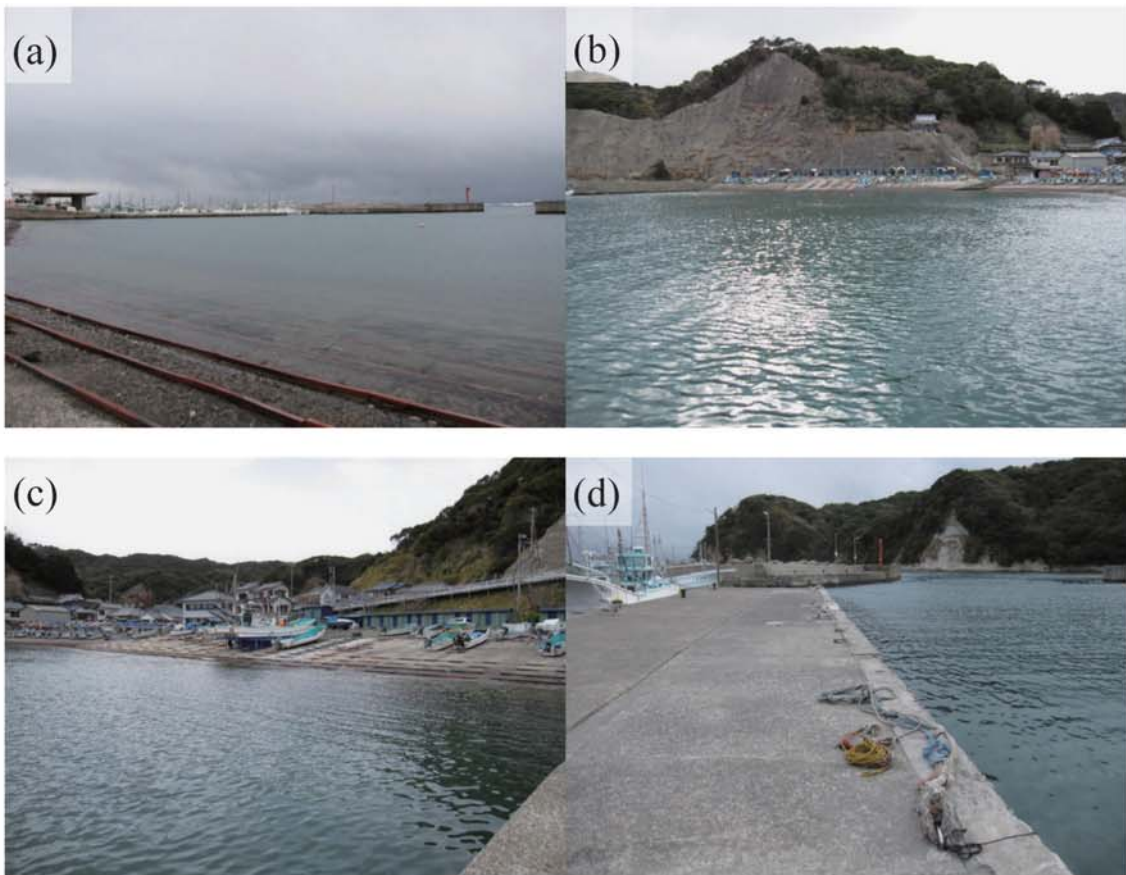


Fig. A332. (a)-(c) Hamanamegawa Fishing Port. (d) Tsunami trace survey point at the top of a quay (C28).



Fig. A333. Tsunami height at Kominato (Kominato Fishing Port), Kamogawa City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.

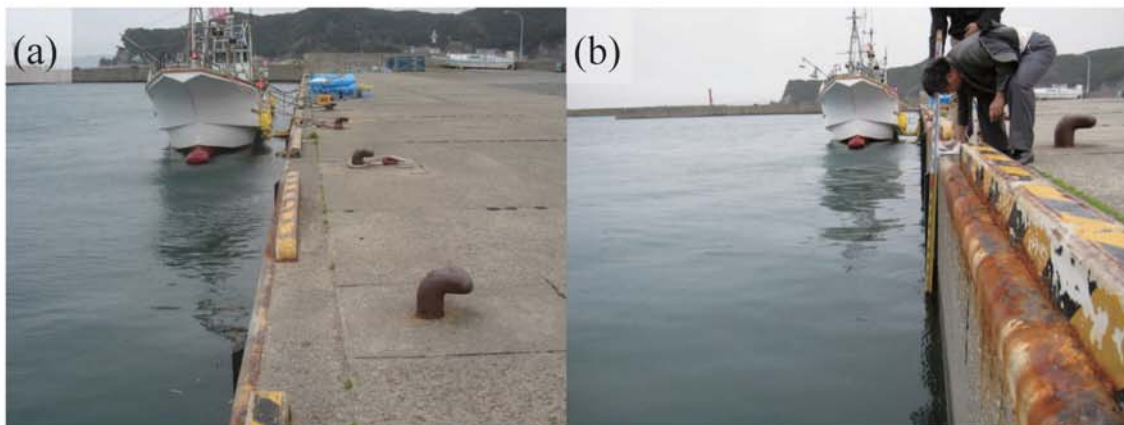


Fig. A334. (a)-(b) Tsunami trace survey point at the top of a quay (C29).





Fig. A335. Tsunami heights at Amatsu (Amatsu Fishing Port), Kamogawa City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 6.

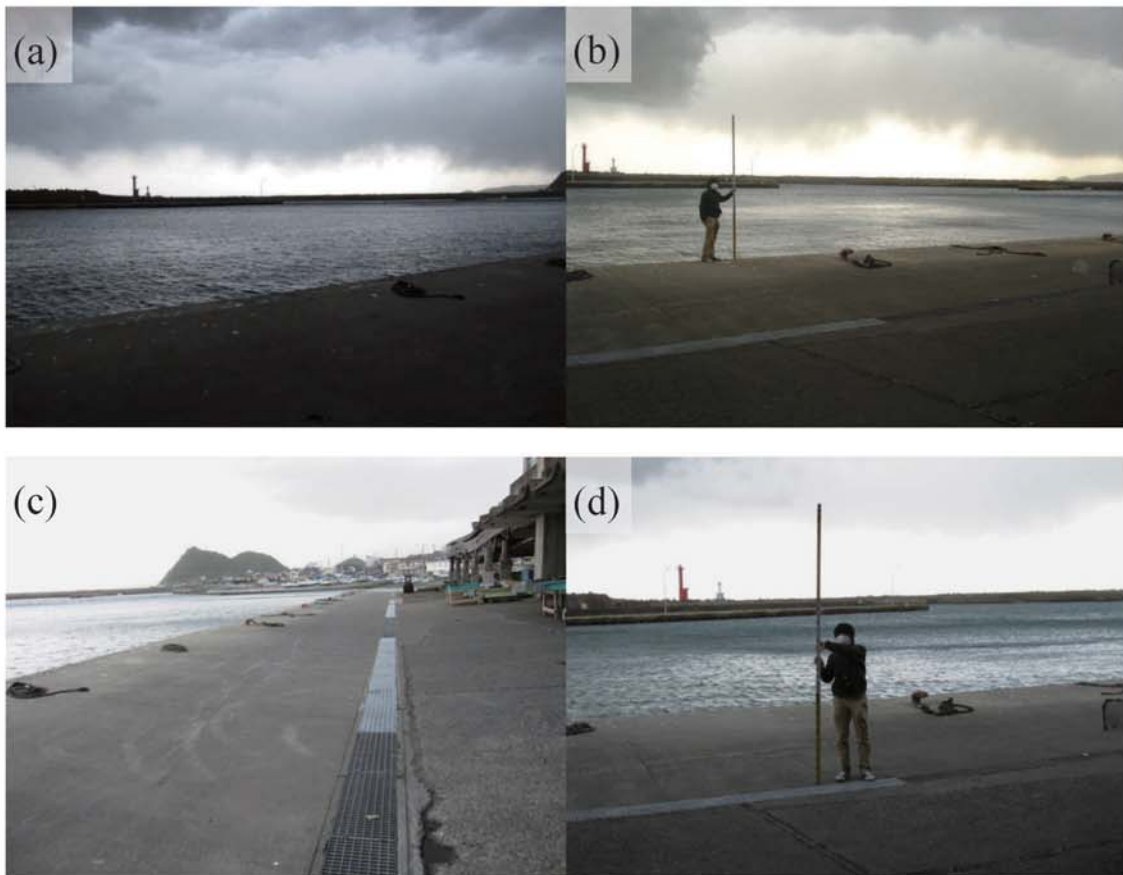


Fig. A336. (a)-(b) Tsunami trace survey point at the top of a quay (C30). (c)-(d) Tsunami trace survey point on the lid of a side ditch (C31).



Fig. A337. Tsunami height at Futomihama (Hamanabuto Fishing Port), Kamogawa City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A338. (a)-(b) The Hamanabuto Fishing Port. (c)-(d) Quay inundated by the tsunami to a small depth (C32).





Fig. A339. Tsunami height at Emitayuzaki (Tayuzaki Fishing Port), Kamogawa City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A340. (a)-(c) The Tayuzaki Fishing Port. (d) Tsunami trace survey point at the top of a quay (C33).



Fig. A341. Tsunami height at Wadacho-Wada (Wada Fishing Port), Minamiboso City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A342. (a) Wada Fishing Port. (b)-(d) Tsunami trace survey point at the second step of stairs in front of Wada Fishing Port office (C34).



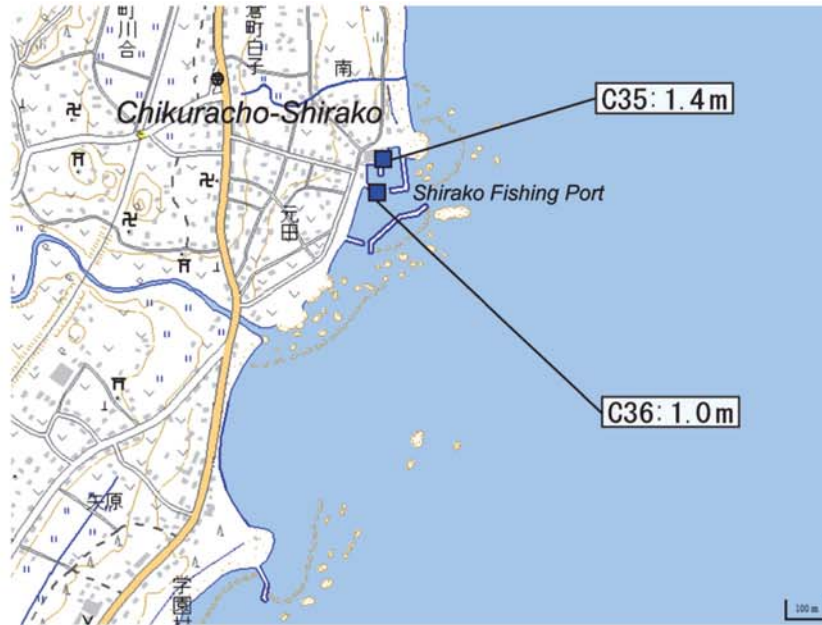


Fig. A343. Tsunami heights at Chikuracho-Shirako (Shirako Fishing Port), Minamiboso City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 6.



Fig. A344. (a) The Shirako Fishing Port. (b)-(c) Tsunami trace survey point at the top of a quay (C35). (d) The yellow buoys show the upper limit of the Tsunami height at the port (C36).



Fig. A345. Tsunami heights at Chikuracho-Hedate (Chikura Fishing Port), Minamiboso City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 6.



Fig. A346. (a)-(b) Chikura Fishing Port. (c) Quay inundated by the tsunami to a small depth (C37). (d) The other quay with a height equivalent to the Tsunami height at the port (C38).



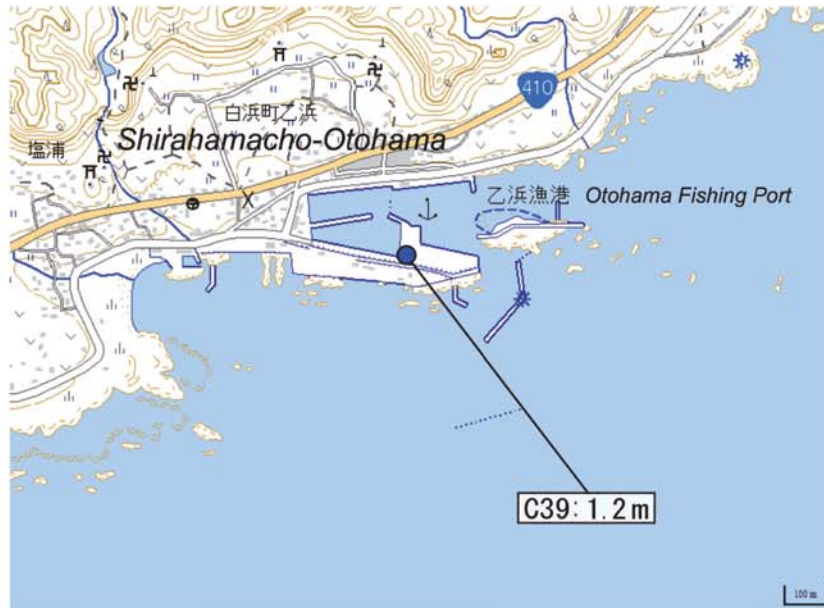


Fig. A347. Tsunami height at Shirahamacho-Otohamma (Otohamma Fishing Port), Minamiboso City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A348. (a) The Otohama Fishing Port. (b)-(d) Debris on a slope carried by the tsunami (C39).



Fig. A349. Tsunami height at Shirahamacho-Shirahama (Nojimahigashi Fishing Port), Minamiboso City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A350. (a) Nojimahigashi Fishing Port. (b)-(d) Garbage and carcasses including a turtle on the quay carried by the tsunami (C40).





Fig. A351. Tsunami heights at Shirahamacho-Nemoto (Nemoto Fishing Port), Minamiboso City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbols and their meanings are the same as in Fig. 6.



Fig. A352. (a)-(b) Upper limit of garbage and sea glass on a slope in Nemoto Fishing Port (C41). (c)-(d) Garbage and sea glass on a slope in Nemoto Fishing Port (C42).



Fig. A353. Tsunami height at Mera (Tomisaki Fishing Port), Tateyama City, Chiba Prefecture (added with a digital topographic map at a scale of 1/25,000 from the Geospatial Information Authority of Japan). The symbol and its meaning are the same as in Fig. 6.



Fig. A354. (a) Tomisaki Fishing Port. (b)-(d) Tsunami trace survey point at the middle of a concrete wall in front of a building (C43).