

TITLE: Simulation and Vulnerability Project for Seismic Waves That May Affect Istanbul Shores

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HAZARD: EARTHQUAKE

THEMES: VULNERABILITY

1.1 Aim and Scope of the Study

In this study; to produce the "Tsunami Hazard Map", which will enable the examination of the suitability of the tsunami warning system in order to reveal the effects of possible tsunamis on the coast in the Marmara Sea, and thus to reduce the tsunami risk and effects, and to make the necessary analyzes for appropriate land use. Unfortunately, due to the limited number of past tsunami documents for Istanbul and the claims that the North Anatolian Fault is not prone to producing a tsunami due to its strike-slip character, sufficient awareness has not been gained about the preparation of the Tsunami Hazard. However, this project on the "Tsunami Hazard Analysis" based on the tsunami probability that may be caused by submarine landslides in the Sea of Marmara and the mega tsunami event in Sumatra in 2004 revealed that people living in Istanbul should be more conscious and warned about the tsunami.