

Past Tsunami Banggai 2000

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Past earthquakes in the Banggai area were not widely reported. Lack of information on the source mechanism and the tsunami made it difficult to obtain a complete picture of the disaster events. The earthquake and tsunami on May 4, 2000 is one example. The tsunami earthquake that occurred, although very local in nature, had quite an impact in some locations. However, generating mechanism correlated with earthquake sources, propagation and affected areas is not sufficient and raises a number of questions.

Using historical global seismic data, we identify the characteristics of the earthquake's source and propagation in the Banggai region. Investigation of the source mechanism's characteristics also revealed that the tsunami was generated by sources other than tectonic earthquakes, such as a submarine landslide. This indication is reinforced by the result of field surveys that show non-uniformity of inundation in the affected areas. This study of the historical earthquake and tsunami impact is critical to determine disaster impact in the future. It serves as an input and reference for the local government's disaster mitigation efforts.

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Promotional text

This historical tsunami earthquake impact study is a very important aspect in formulating potential future tsunami impacts and becomes an input and reference for any disaster mitigation efforts for the local government

Oral preference format

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