

The Research of Historical Earthquakes on the Eastern Margin of Japan Sea - 1762 Horeki Sado Earthquake etc.

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We have been systematically examining Japanese destructive earthquakes from early modern times to the present. For the concentrated deformation zone project, we analyzed 1762 Horeki Sado earthquake in 2011. We also added the analysis of newly printed historical materials for 15 earthquakes, which we had analyzed before the current research project started in 2008. The source area of 1762 Horeki Sado earthquake is the part of the area north off Sado island in the long term evaluation of the seismic hazard by HERP. For 1670 Western Kanbara earthquake, Ishibashi(2011) pointed out the diary of Nobumitsu Nakura mentioned the damage of Aizu-Wakamatsu instead of Edo. The change of that point reinforced our estimation of the focal area just north of 1828 Sanjo earthquake. Our compiled result will be utilized to set source regions of future events in the eastern margin of the Sea of Japan.

Keywords: the concentrated deformation zone, Eastern Margin of Japan Sea, historical earthquakes, 1762 Horeki Sado earthquake, 1670 Kanbun Nishi-Kanbara earthquake