

**Sweden**, today an area of moderate seismicity, has been struck by at least 52 high-magnitude earthquakes during the period after glaciation. Obviously, there is a causal connection between high number of large earthquakes and the rate of uplift. At the same time, quite a high number of events are recorded within the Late Holocene period.

In this book, we present and describe 52 separate paleoseismic events. Every single paleoseismic event recorded has been analysed with respect to multiple characteristics. All events are properly dated. In many cases the age can be given as to a single varve year.

The sedimentological characteristics of liquefactions, tsunami beds and other relevant structures are described in great details.

The old Nordic Asa legend talks about the **Fenris Wolf**, a giant wolf, which was chained deep in the mountains and when hauling made the ground and mountains tremble violently. Indeed, this is a perfect description of a paleoseismic earthquake.



the author exposing a liquefaction mushroom in Råbäck gravel pit at Umeå in November 2002

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Paleoseismicity of Sweden

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# Paleoseismicity of Sweden

a novel paradigm



a contribution to INQUA from its Sub-commission on Paleoseismology

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