

Supplemental Information

The large-magnitude earthquake potential of an active strike-slip fault system in Lake Poso, Central Sulawesi, Indonesia

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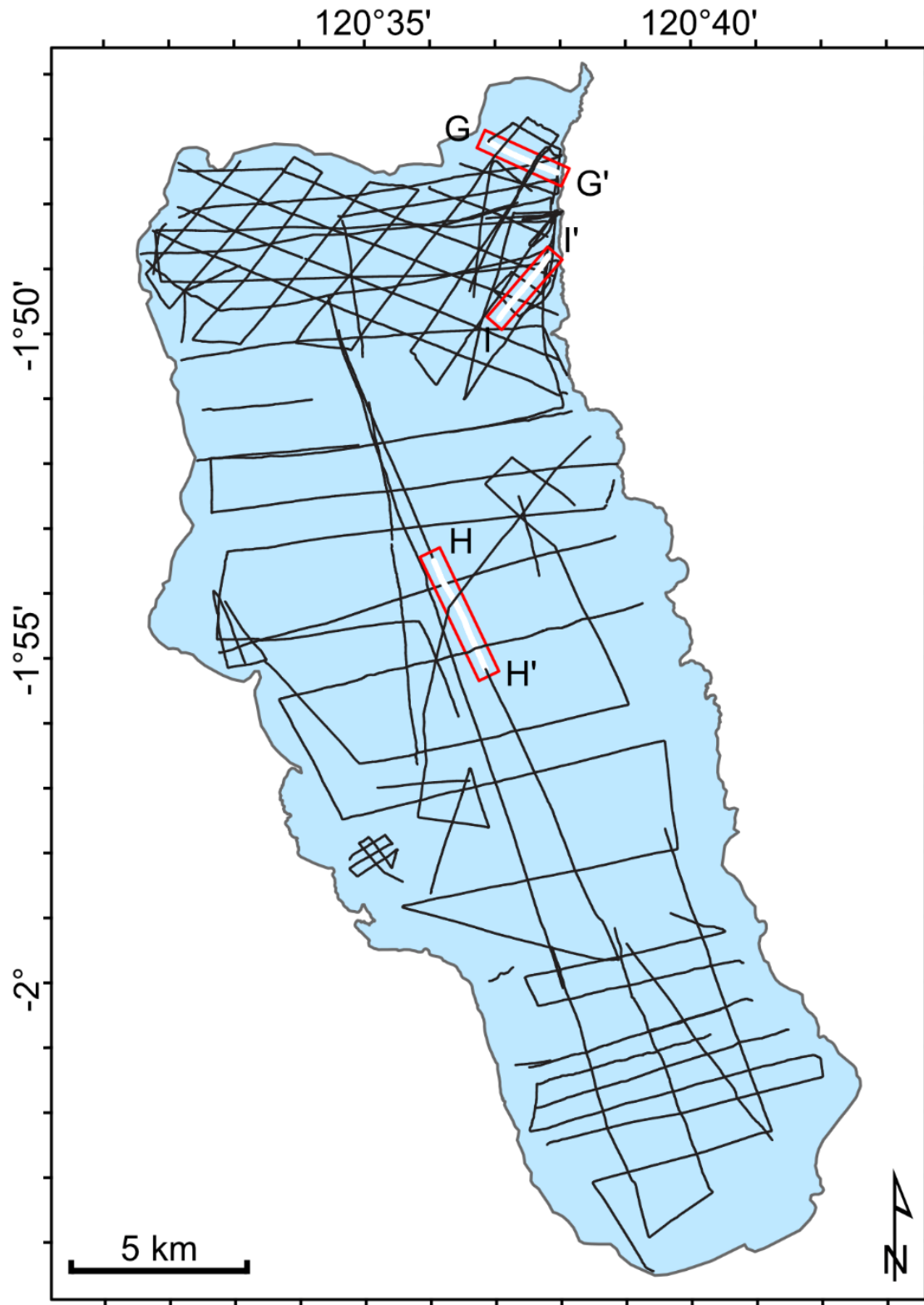
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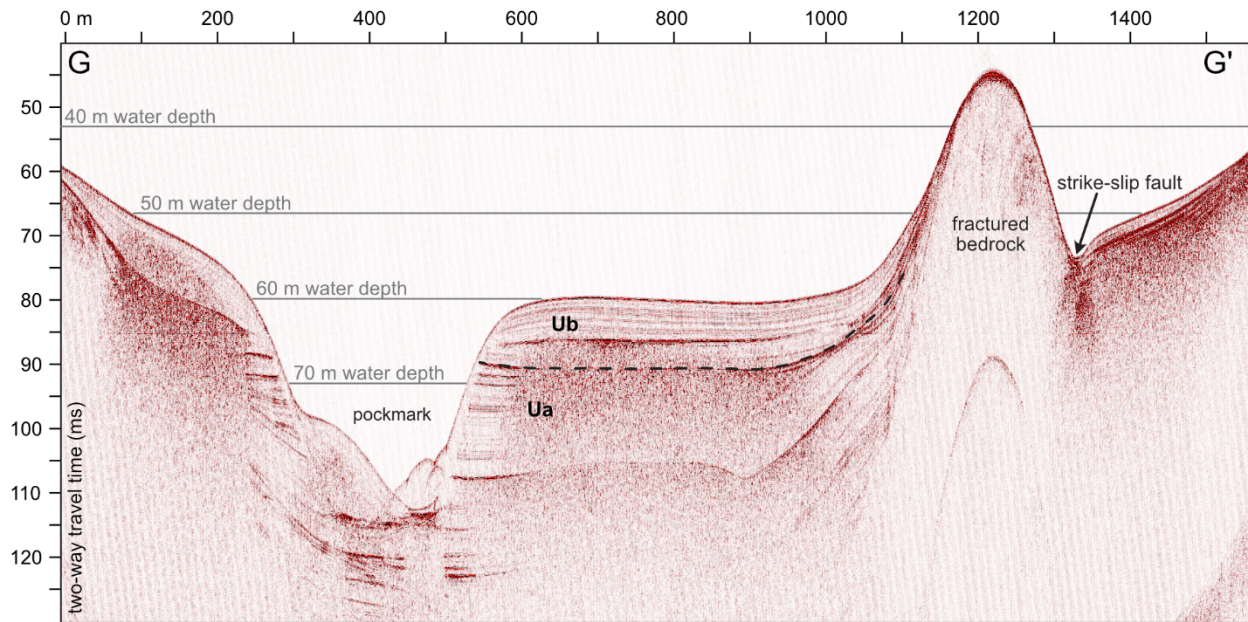
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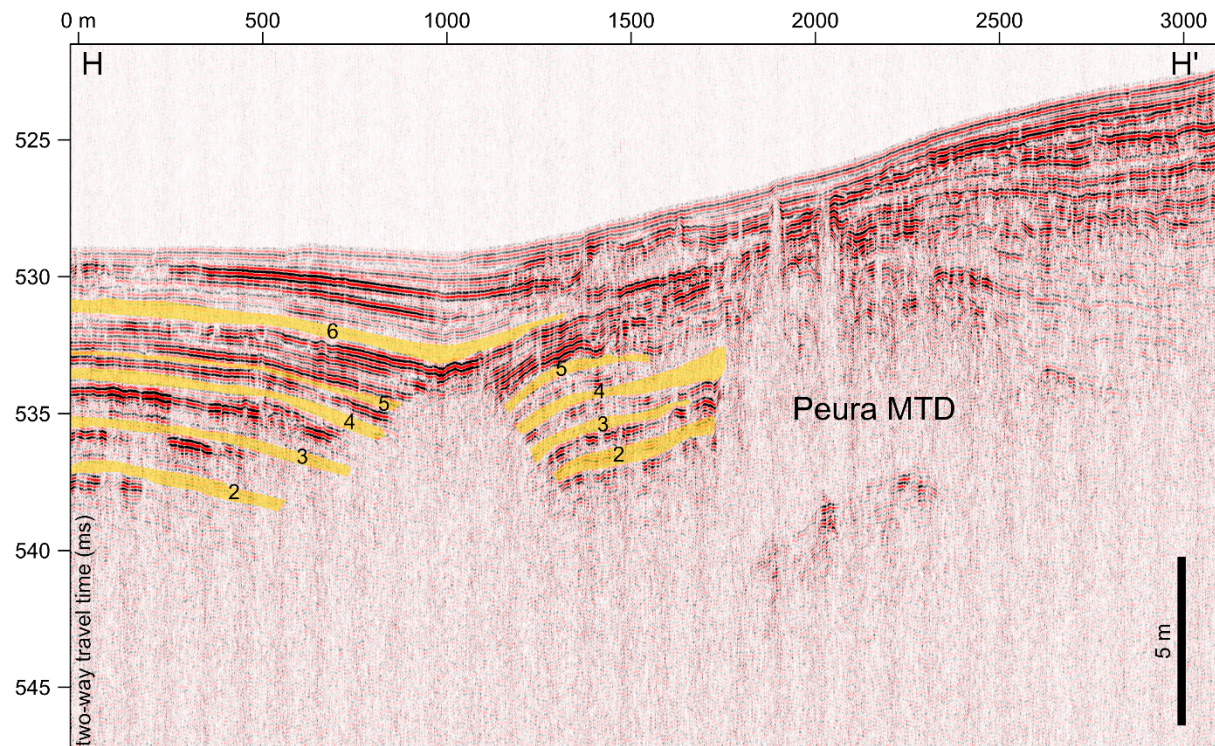
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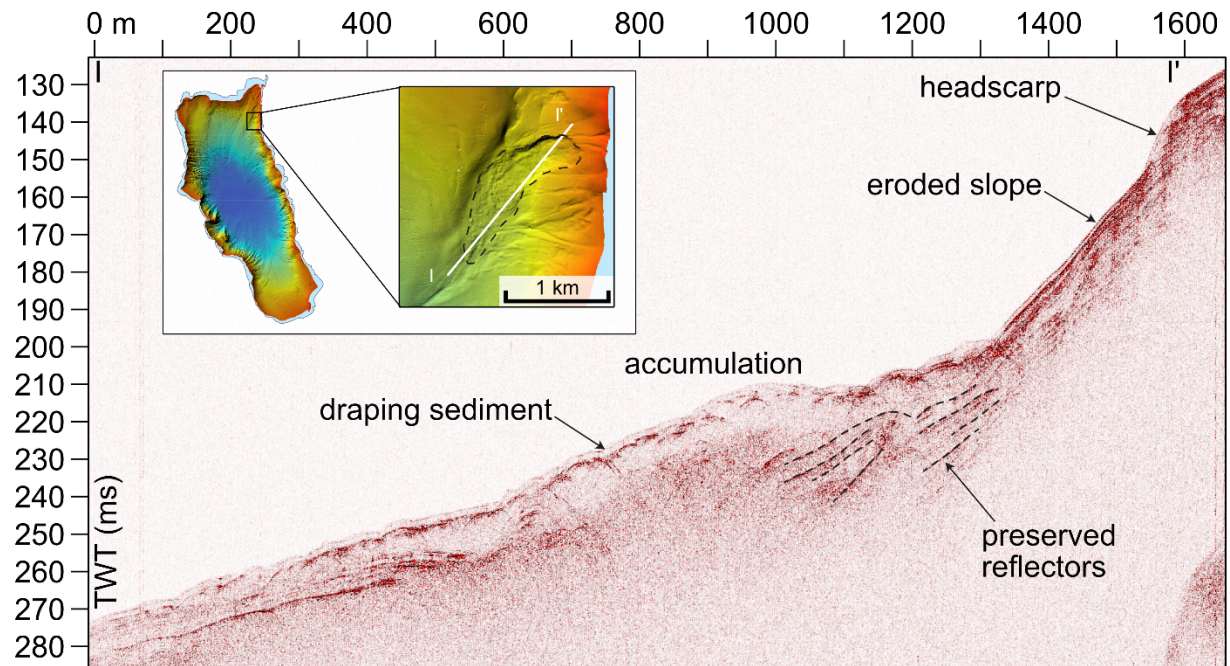
Supplementary Figure 1: 3.5 kHz seismic grid of the 2022 survey on Lake Poso. Thick white lines with red boxes indicate the locations of seismic lines in Supplementary Figures 2, 3, and 4.



Supplementary figure 2: Seismic line crossing the strike-slip fault near Tentena, showing the bedrock outcropping the sediment and the formation of a pull-apart basin.



Supplementary figure 3: Seismic line across the depocentre, showing 6 event deposits (undefined MTDs or turbidites) underlying the Peura MTD. By correlation, we assume that the Peura MTD is likely related to the turbidite 1, dated at 11.4 kyrs.



Supplementary figure 4: Seismic line in the Tentena Area showing a recent MTD from the eastern shoreline. The location in the strike-slip fault canyon makes it difficult to date this event.