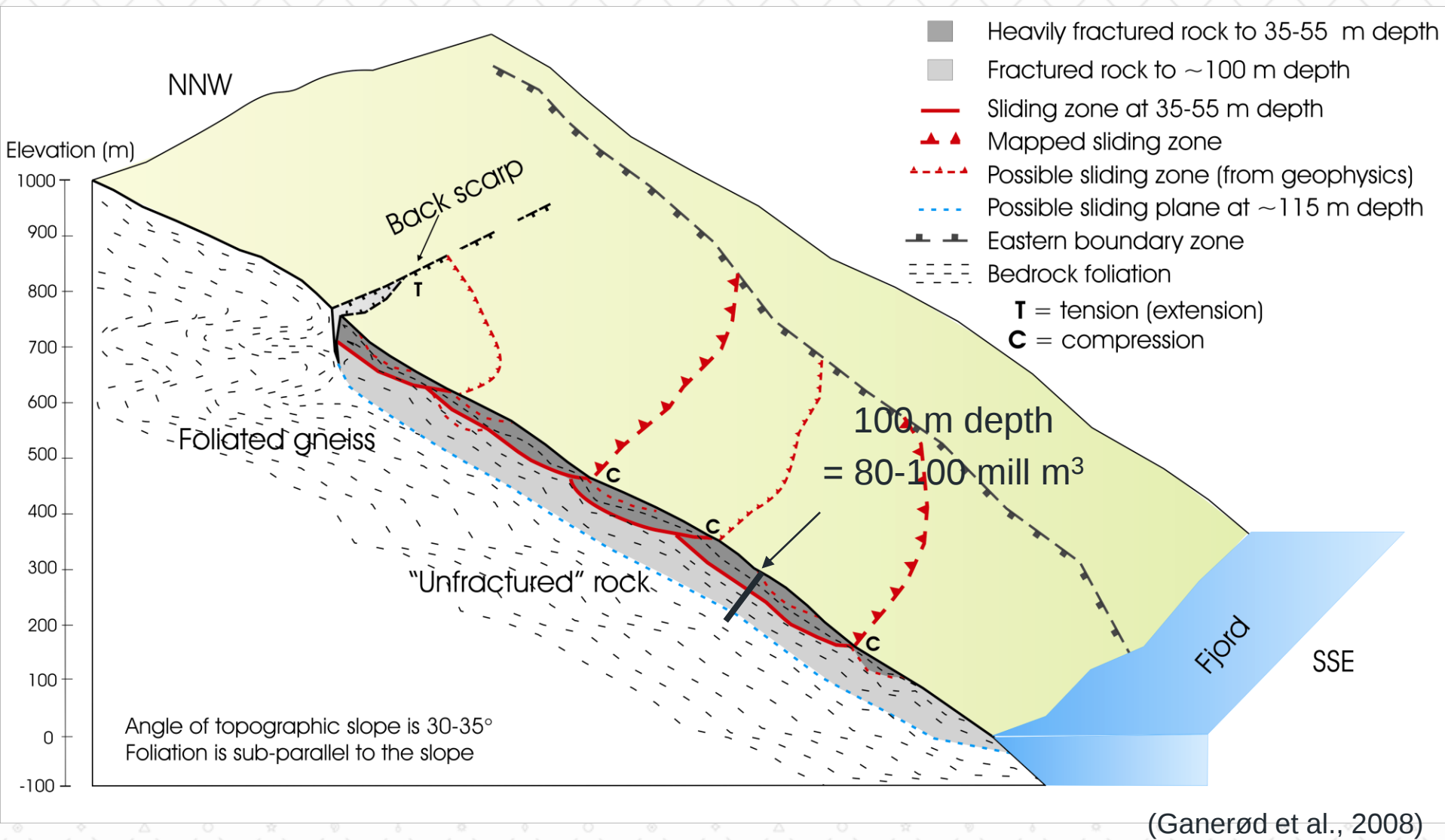


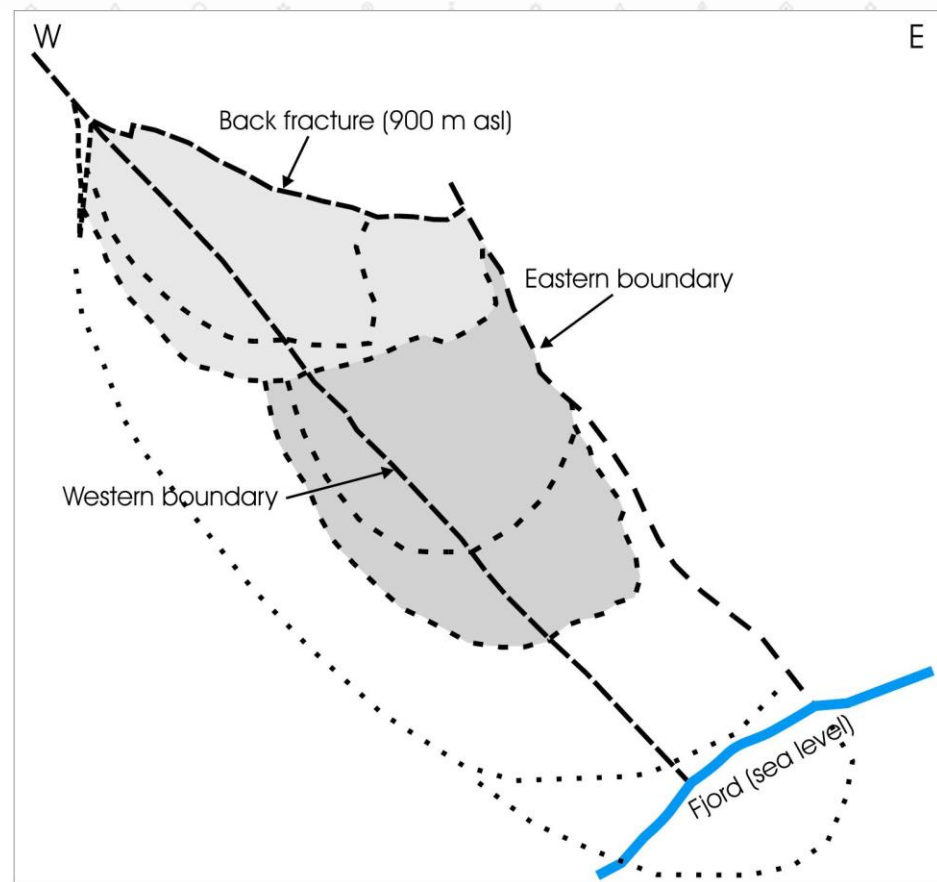
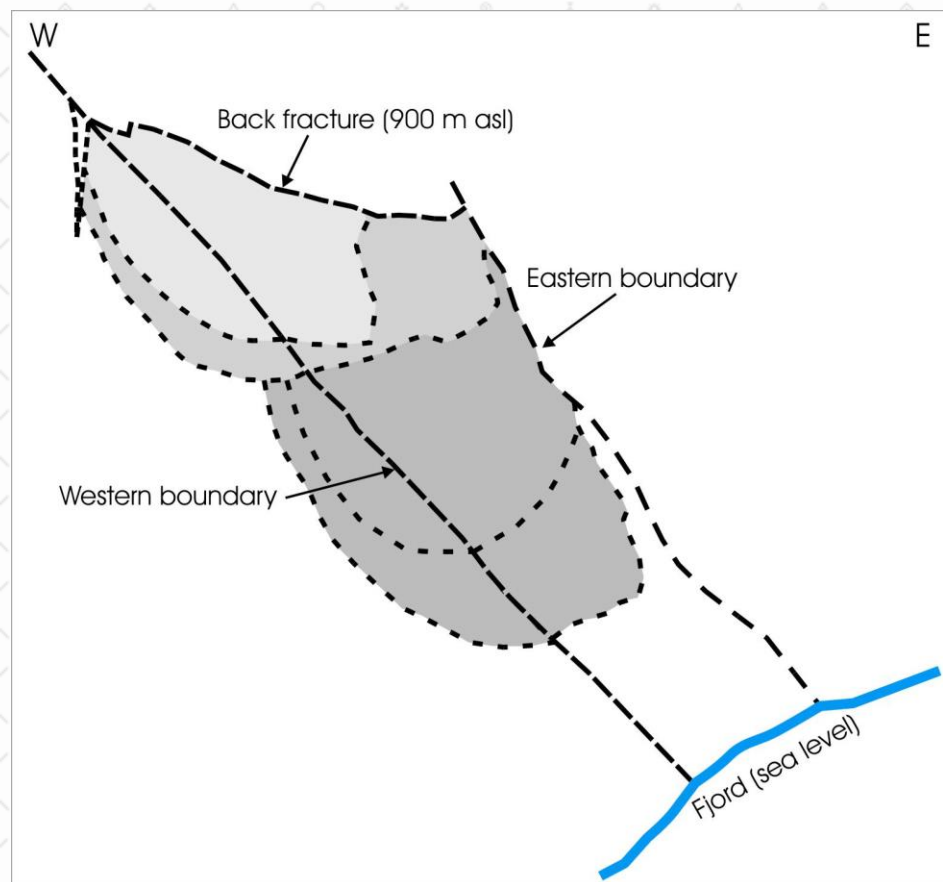
Åknes geological model and challenges related to hydrogeological conditions

Guri V. Ganerød



Geological model





(Nordvik et al., 2009)

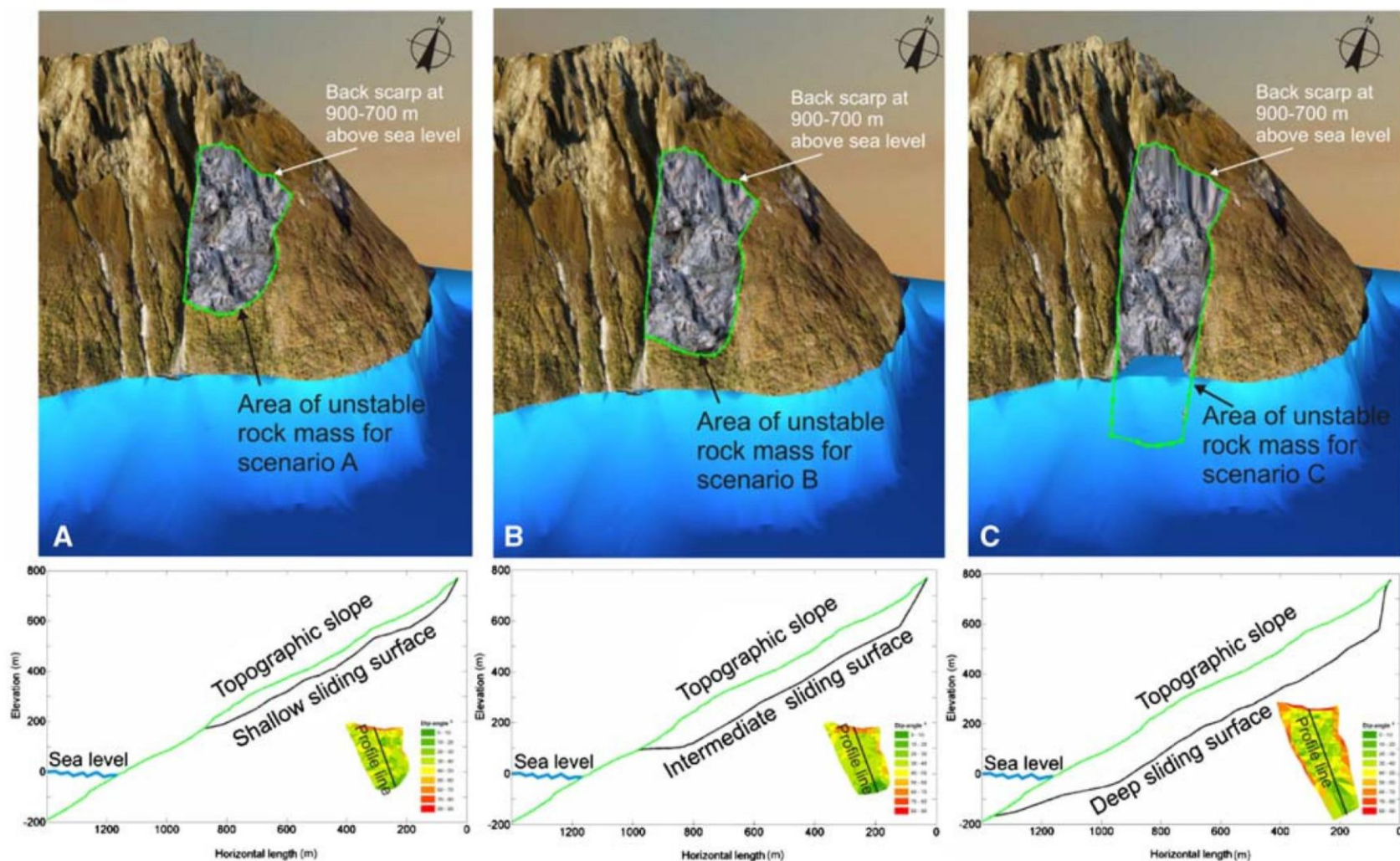


Fig. 8 **a** Extent of unstable area for Scenario A (510,000 m³) with a basal sliding surface (BSS) at a depth of 40–55 m **b** Extent of unstable area for Scenario B (575,000 m³) with a BSS at 105–115 m

depth. **c** Extent of unstable area for Scenario C (742,000 m³) with a depth to BSS of 150–190 m

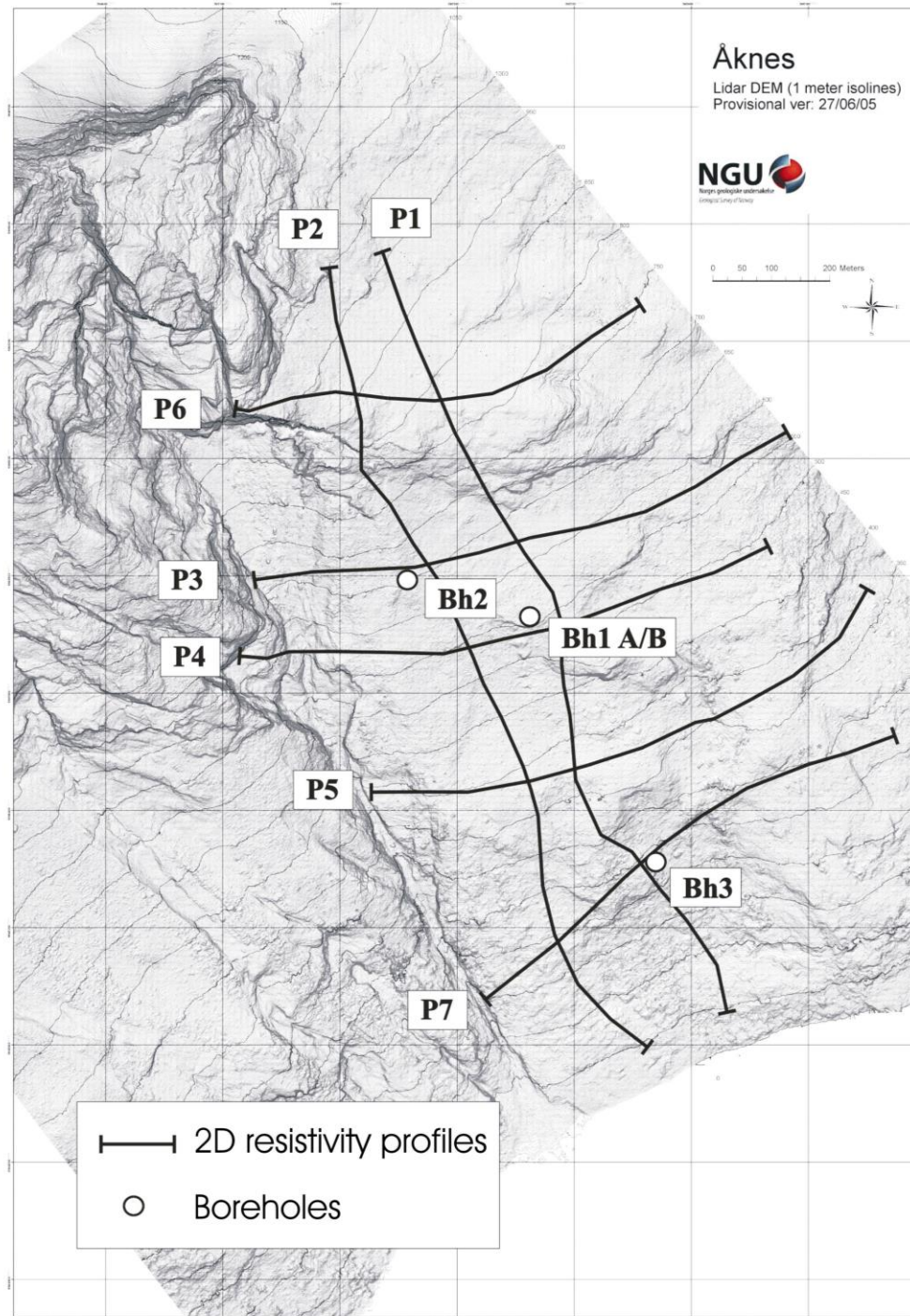
(Nordvik et al., 2009)

Åknes

Lidar DEM (1 meter isolines)
Provisional ver. 27/06/05



0 50 100 200 Meters

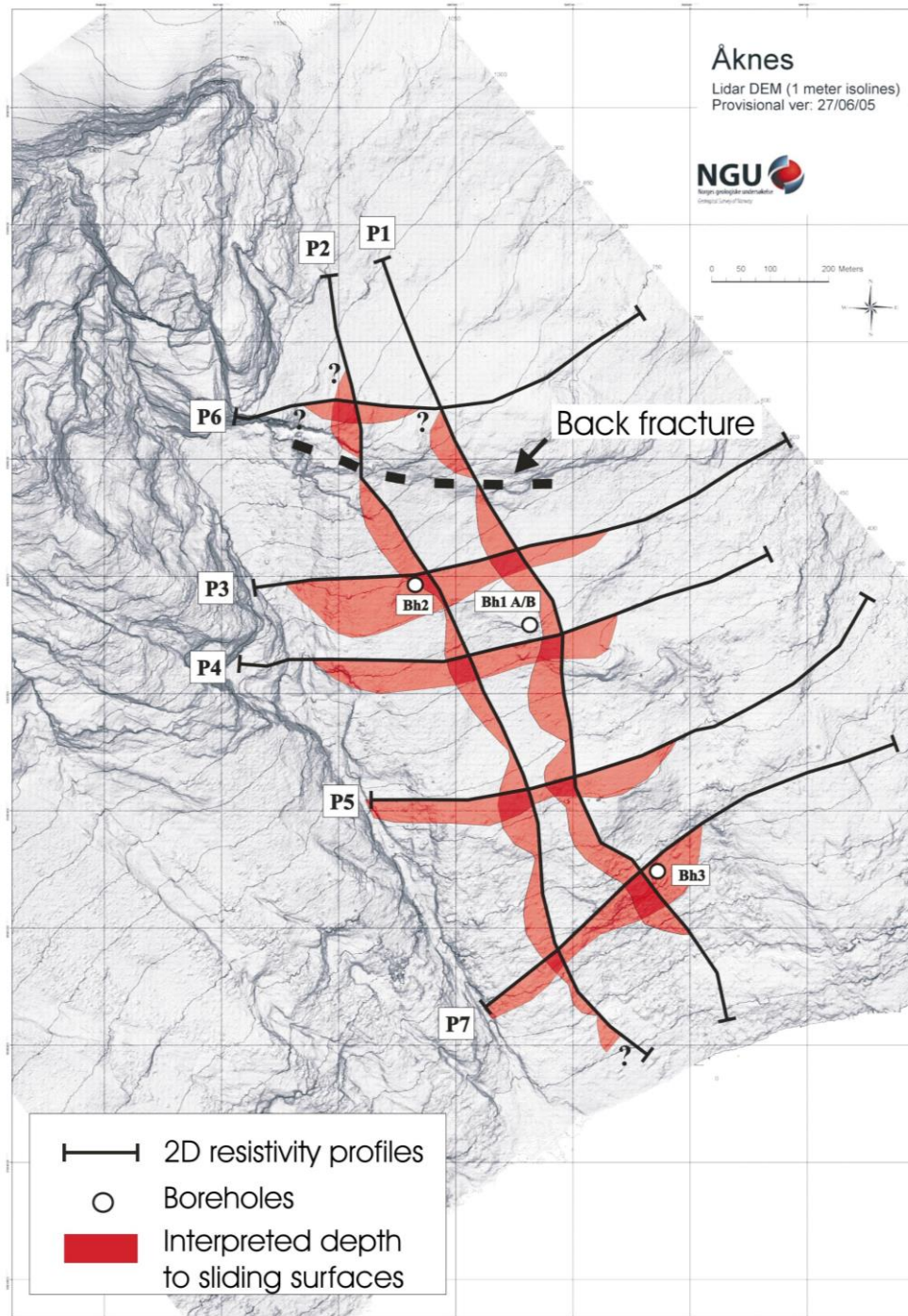


Åknes

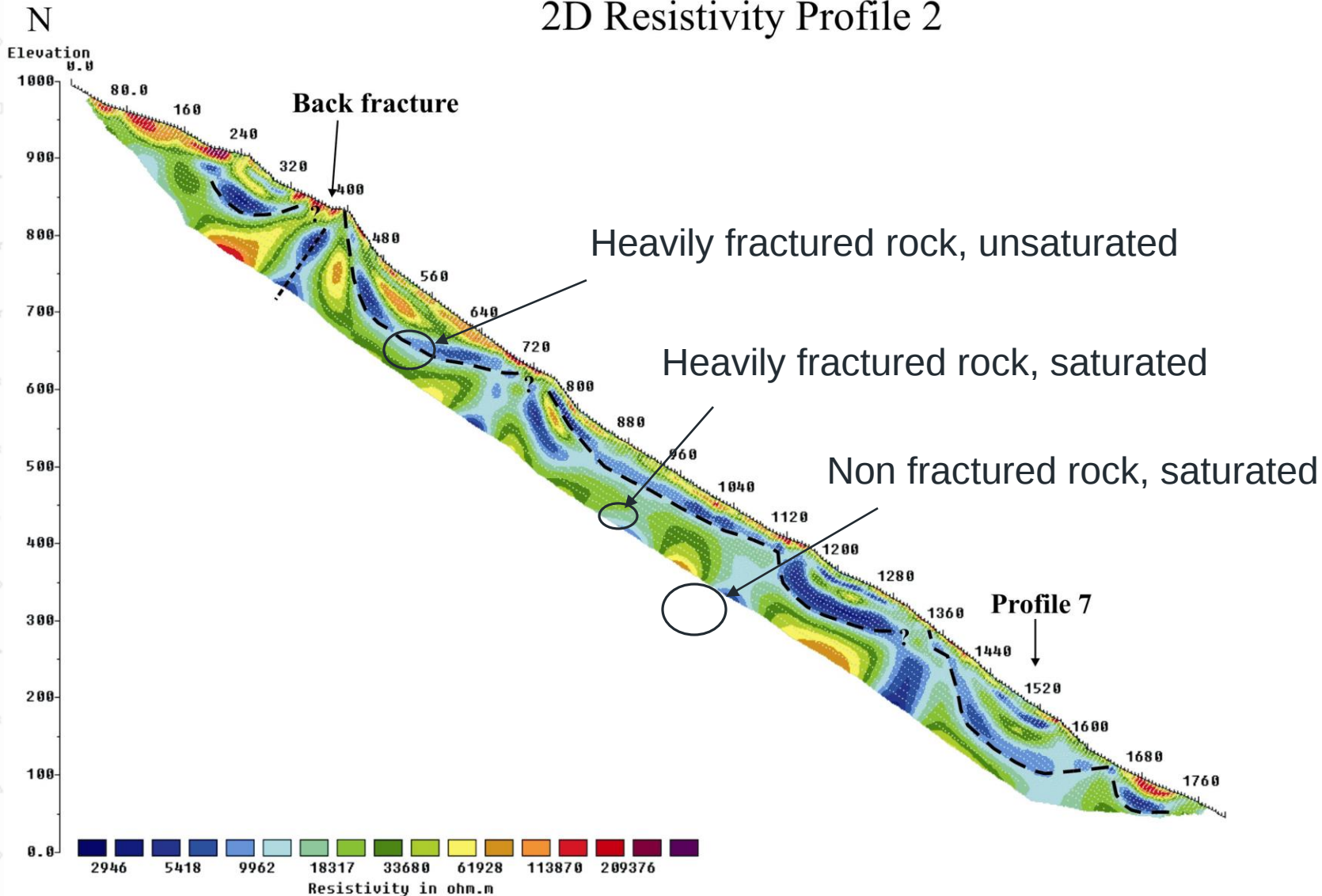
Lidar DEM (1 meter isolines)
Provisional ver: 27/06/05



0 50 100 200 Meters



2D Resistivity Profile 2



Horizontal scale is 3.33 pixels per unit spacing
 Vertical exaggeration in model section display = 1.00
 First electrode is located at 0.0 m.
 Last electrode is located at 1800.0 m.

Dipol/Dipol
 Standard inversion
 Vert./Hor. Filter=0.5



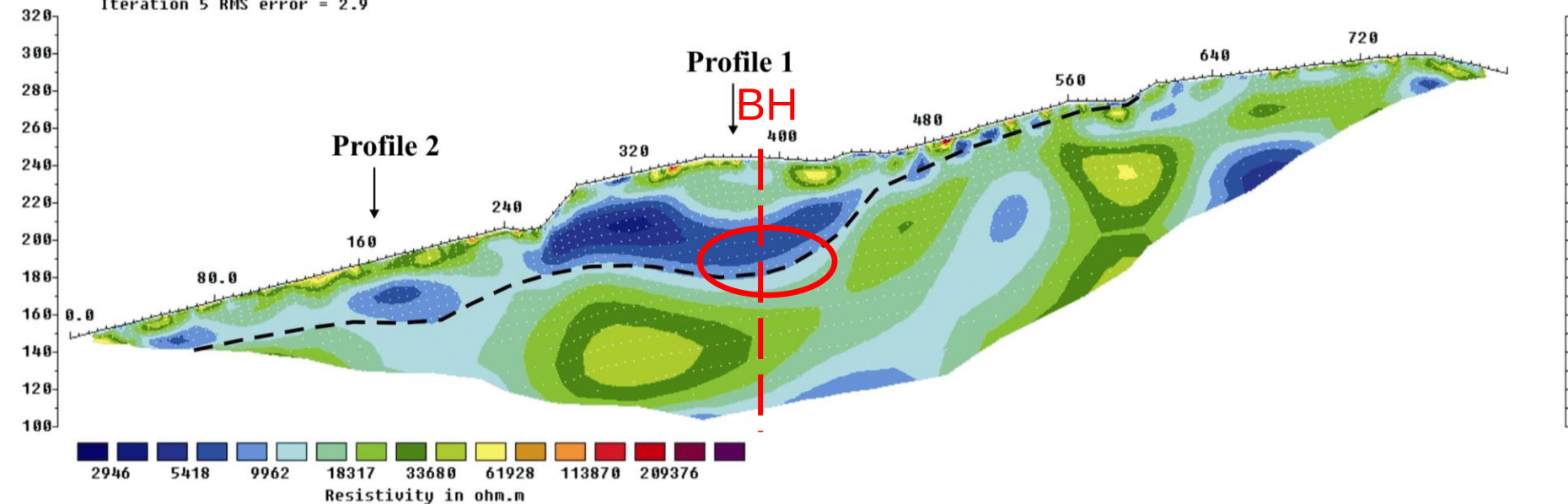
Profile 7

W

2D Resistivity Profile 7

E

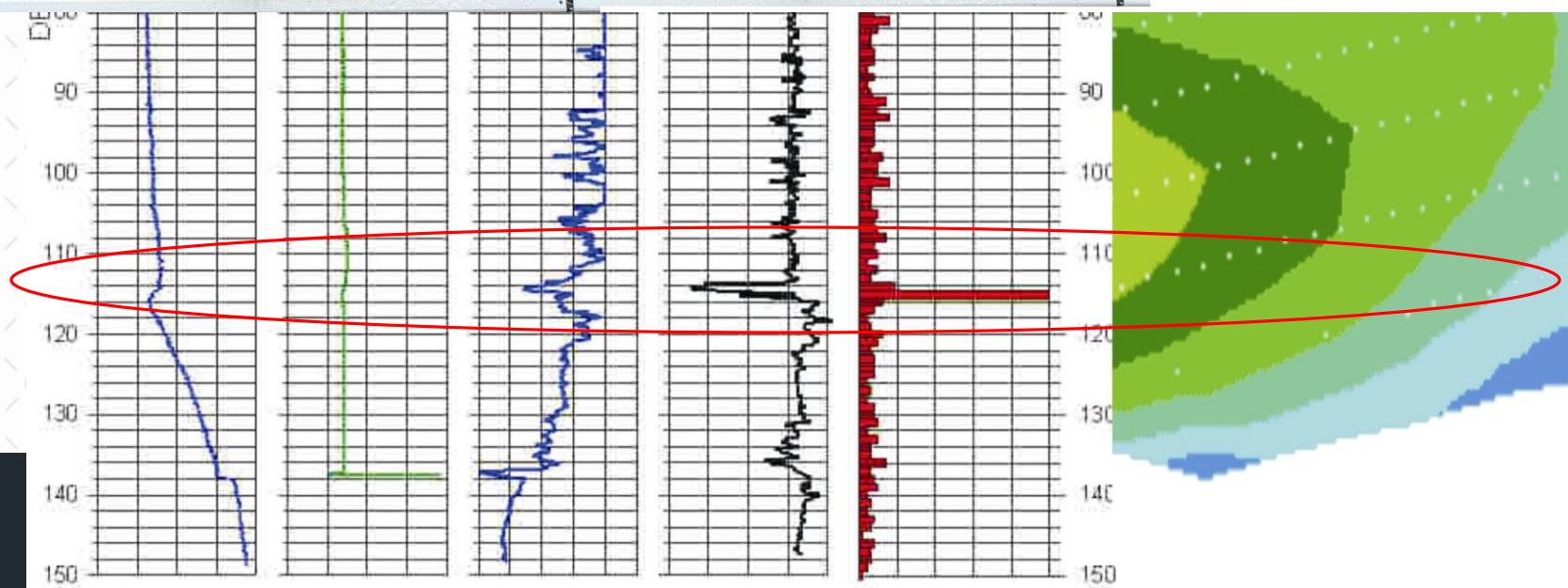
Elevation Model resistivity with topography
Iteration 5 RMS error = 2.9

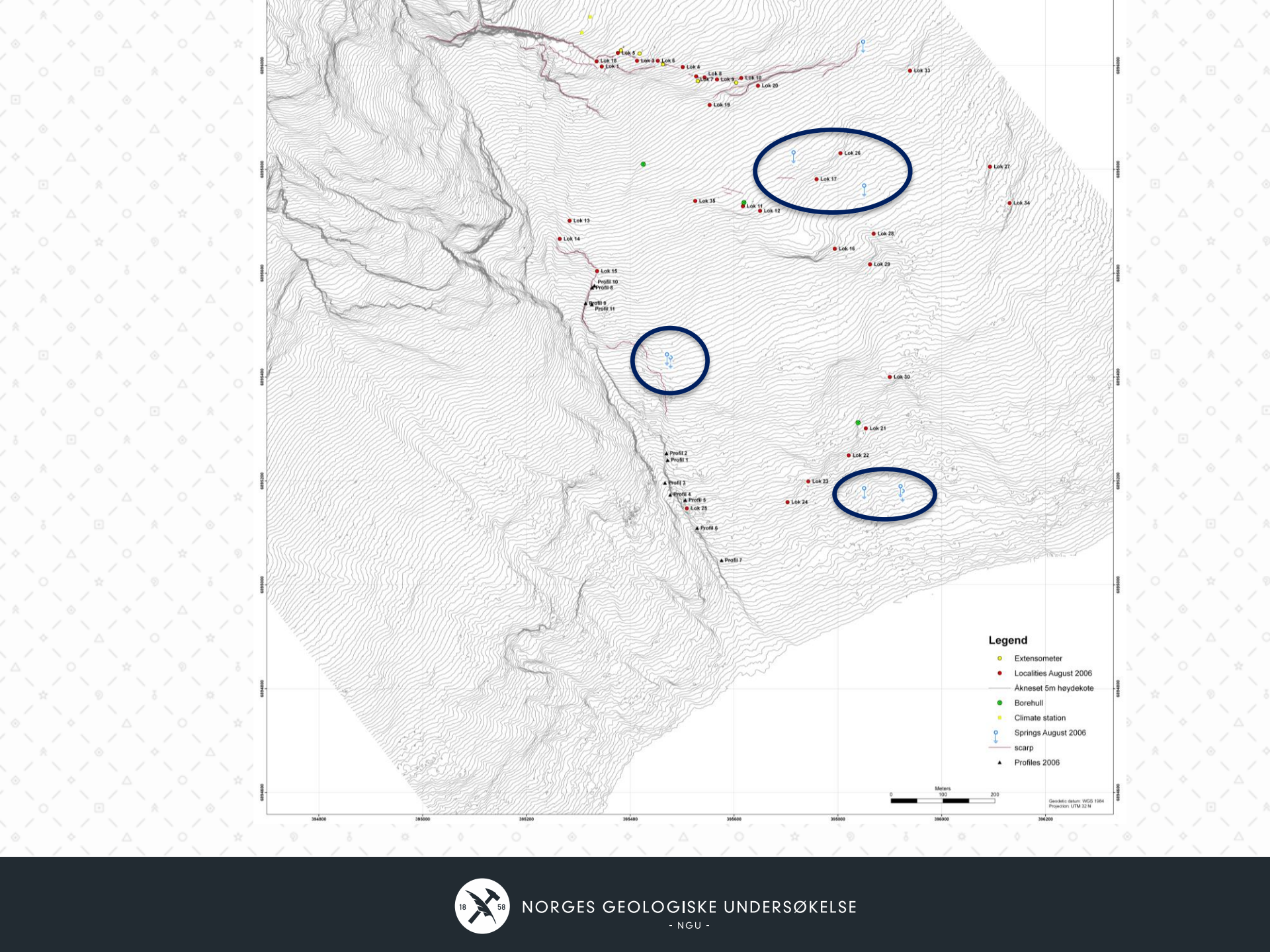


Horizontal scale is 7.49 pixels per unit spacing
Vertical exaggeration in model section display = 1.00
First electrode is located at 0.0 m.
Last electrode is located at 800.0 m.

Wenner
Standard inversion
Vert./Hor. Filter=0.5







Digitalisering og økt tilgang til data om undergrunnen kan spare samfunnet for store summer knyttet til for eksempel bygging av tunneler eller parkeringshus.



UNDERGRUNNSPROGRAMMET

2016-2018



Jernbaneverket



Statens vegvesen



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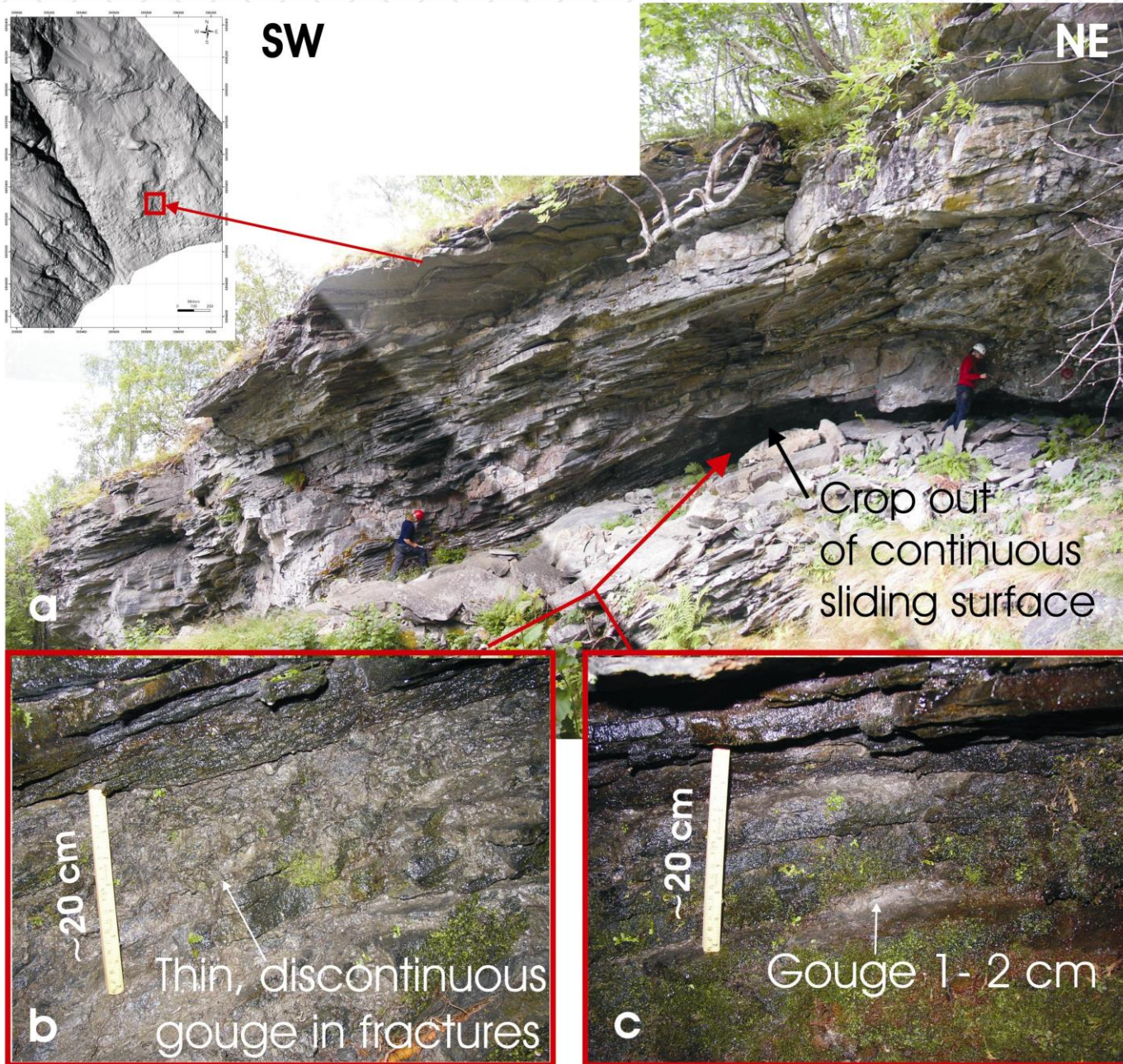
Thank you for your attention

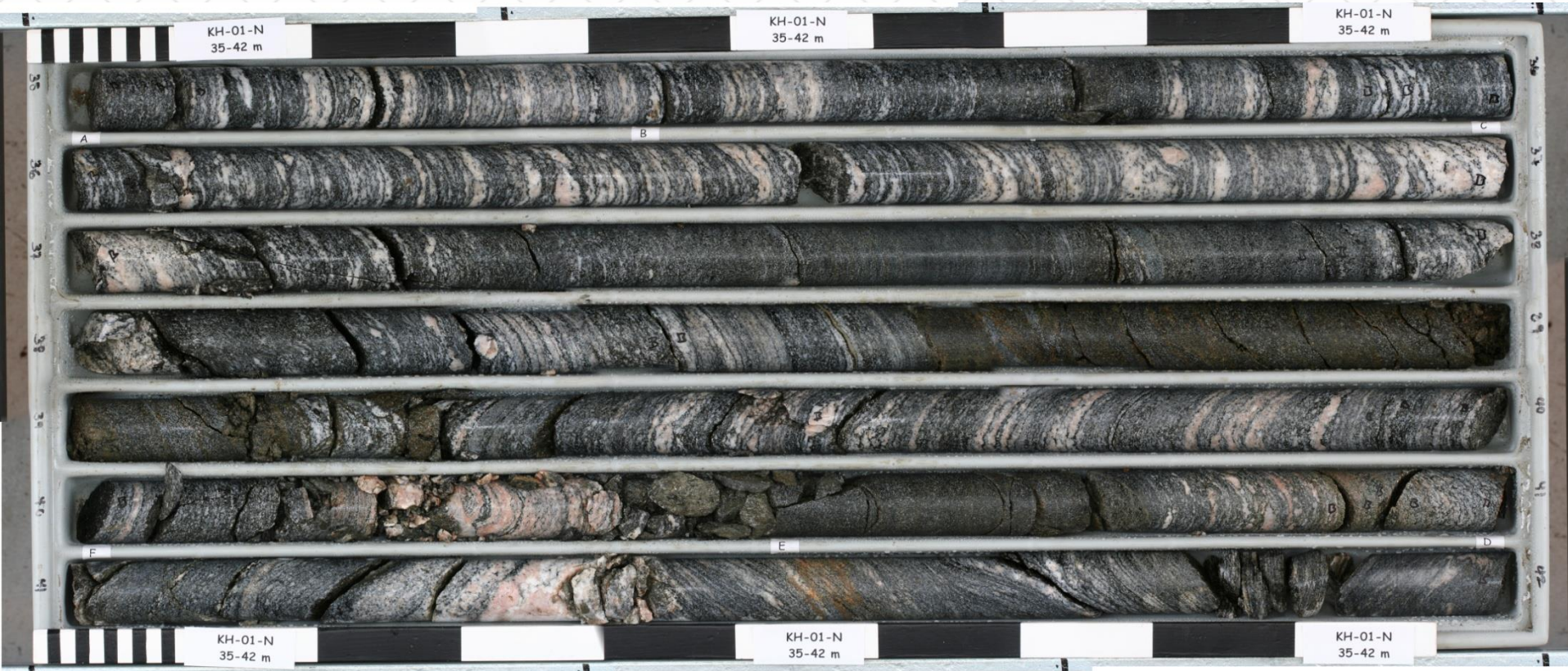


VG GRAFIKK: Kenneth Lauveng

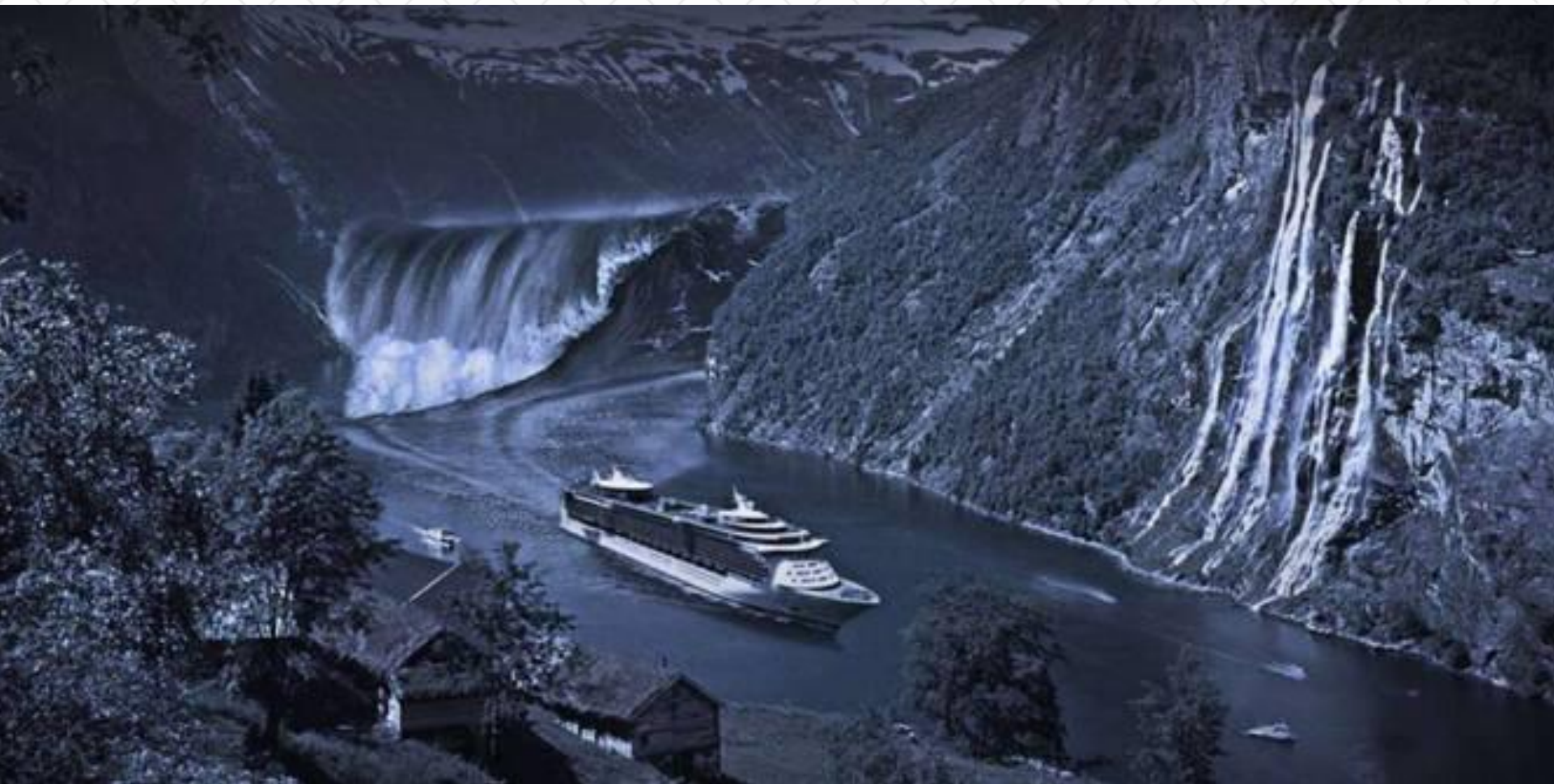


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