

EAGE

CONFERENCE & EXHIBITION

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31st

European Meeting of
Environmental and
Engineering Geophysics

6th

Conference on Geophysics
for Mineral Exploration
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Conference on Hydrogeophysics
Contribution to Exploration and Management
of Groundwater, Land-Use and Natural Hazards
under a Changing Climate

1st

Conference on
Geohazard Assessment
and Risk Mitigation

1st

Conference on
UXO & Object Detection

3D S-wave High-Resolution Seismic Survey

7-11 SEPTEMBER 2025 | NAPLES, ITALY

#NSG2025



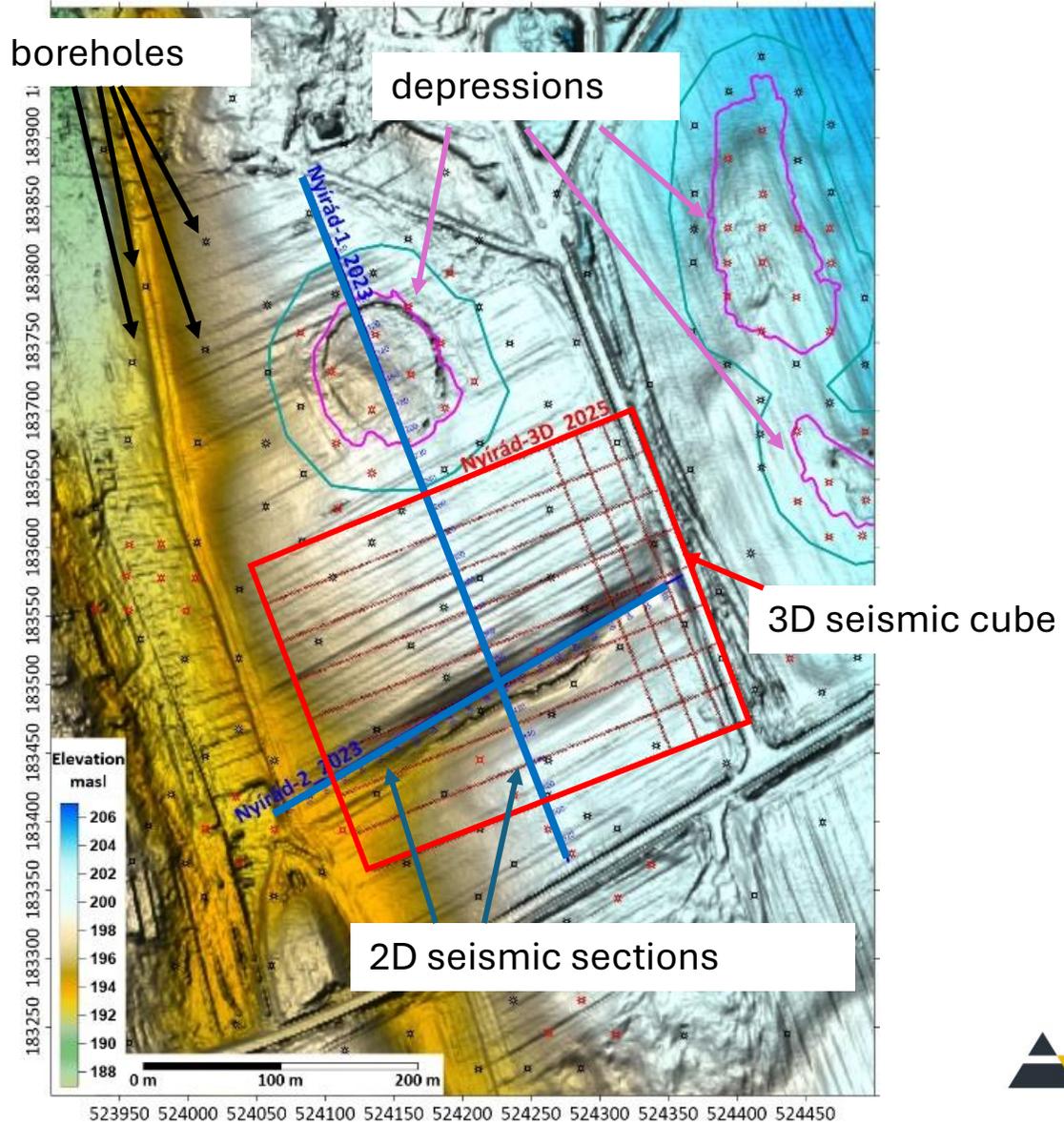
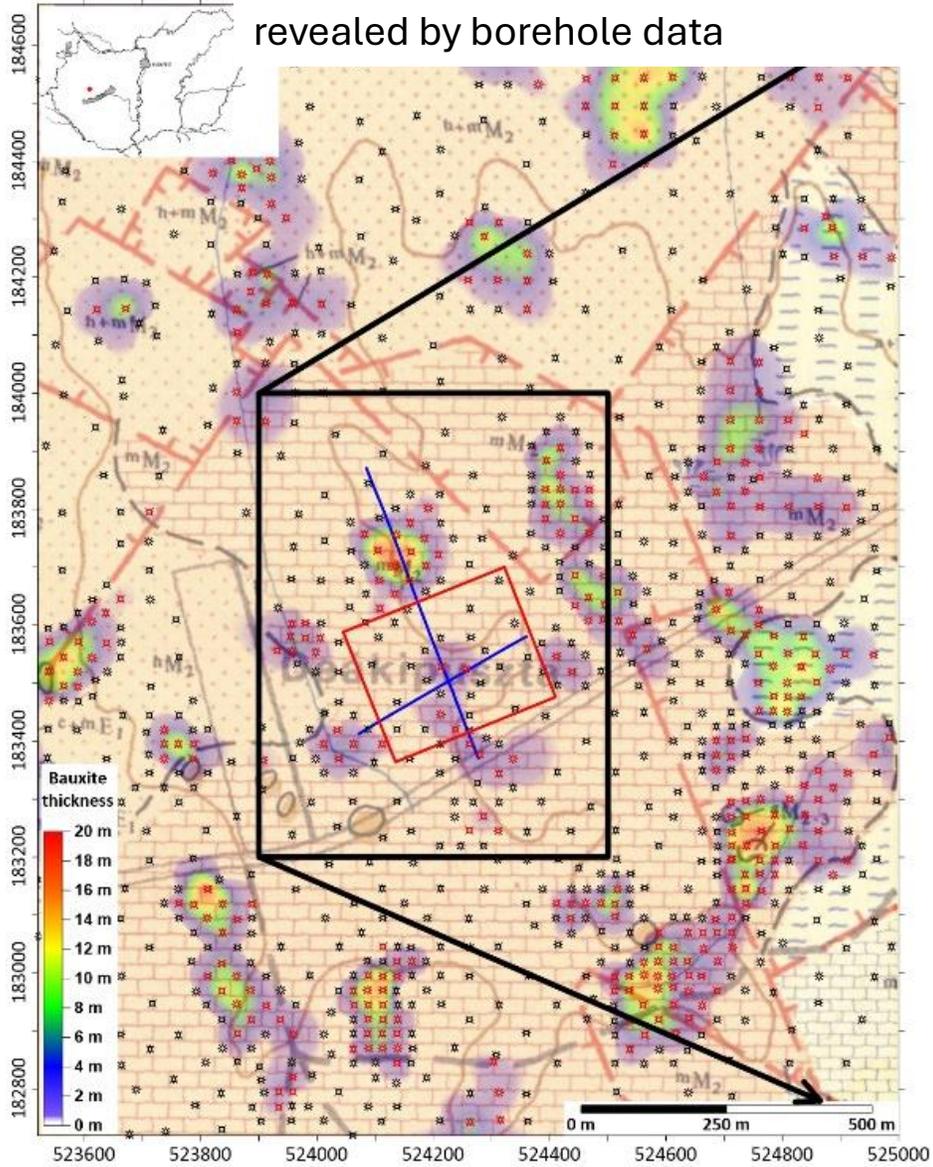
3D S-wave High-Resolution Seismic Survey

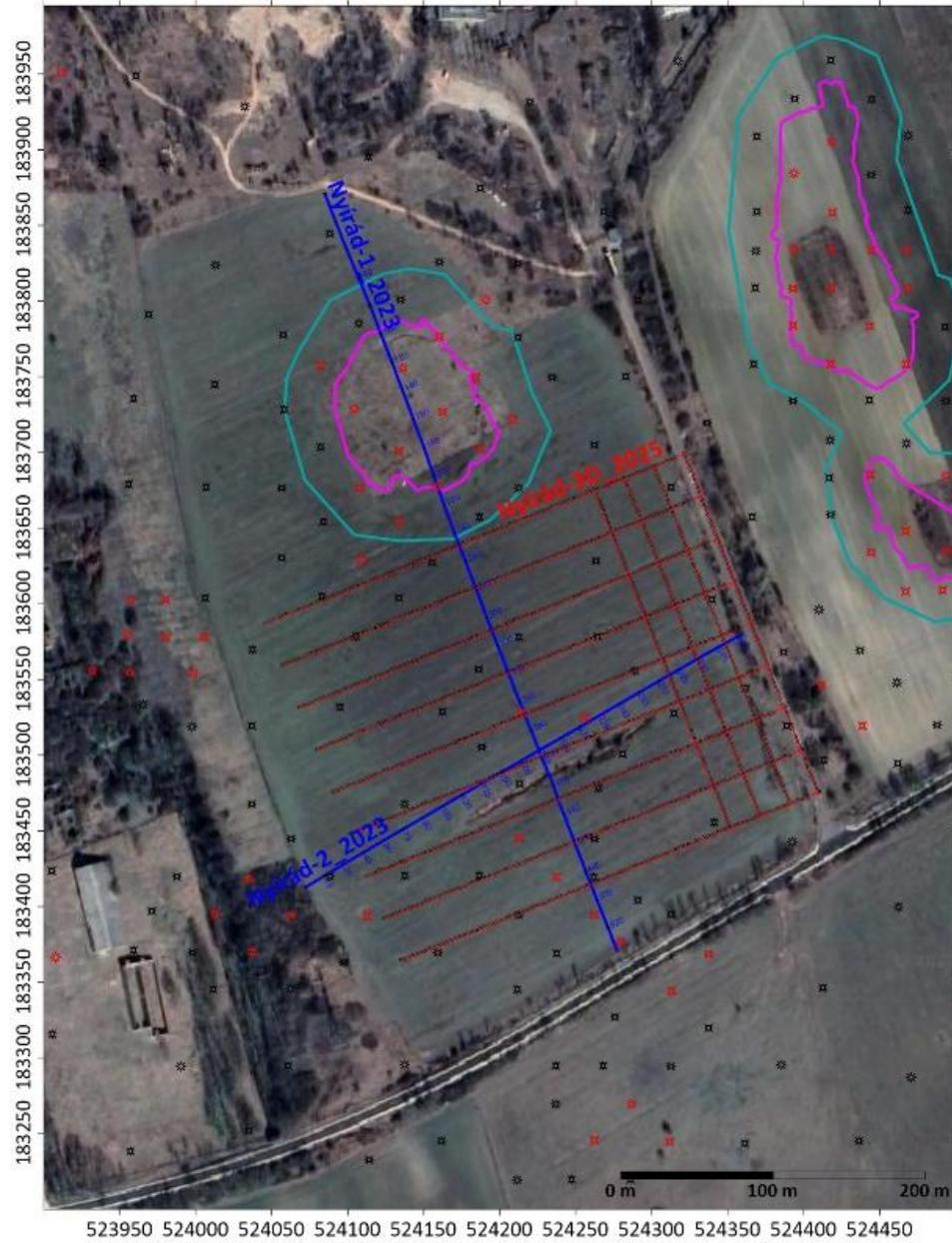
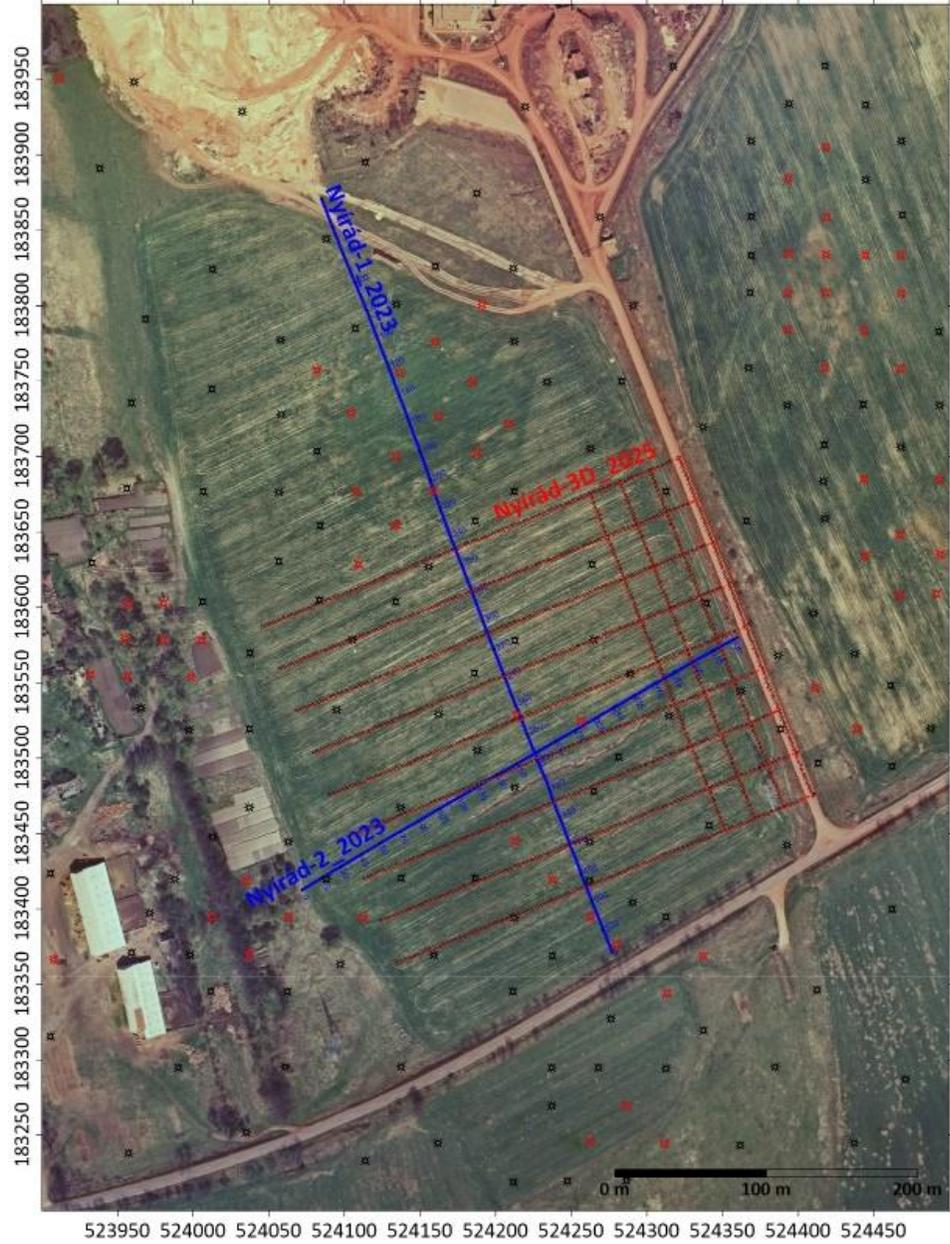
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2): STRYDE Ltd.
3): Pannon Solar Holding Ltd.

Study area

0-20 m bauxite lenses
revealed by borehole data



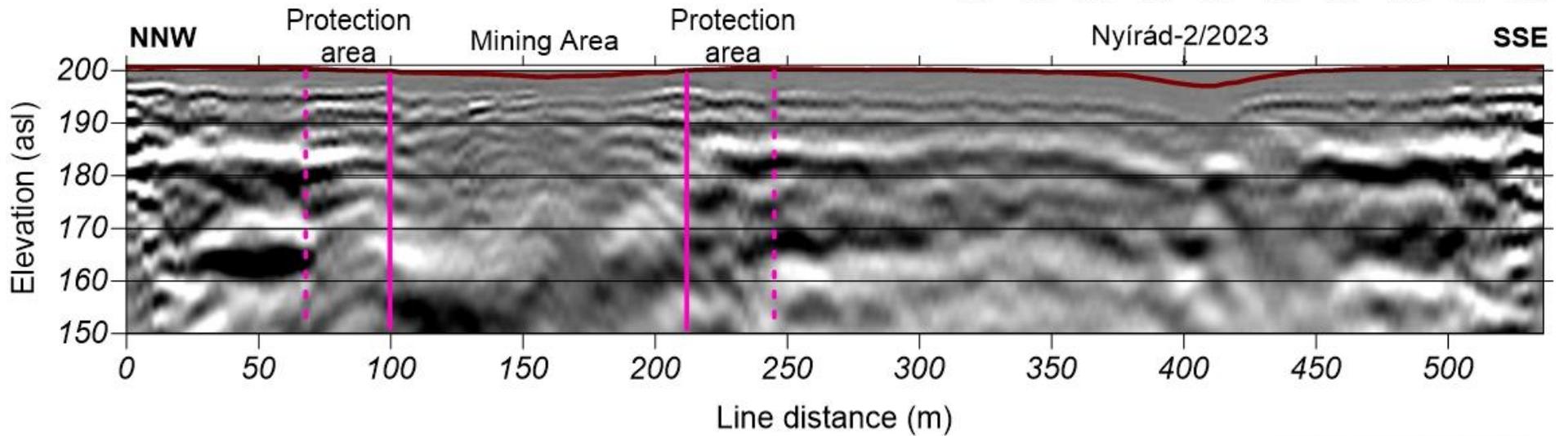
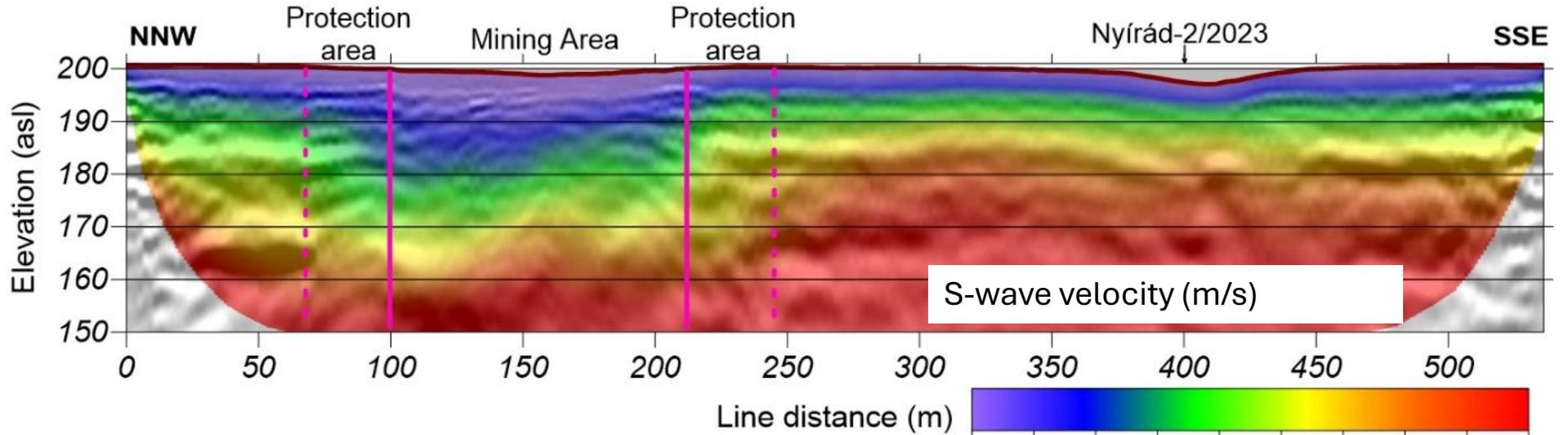
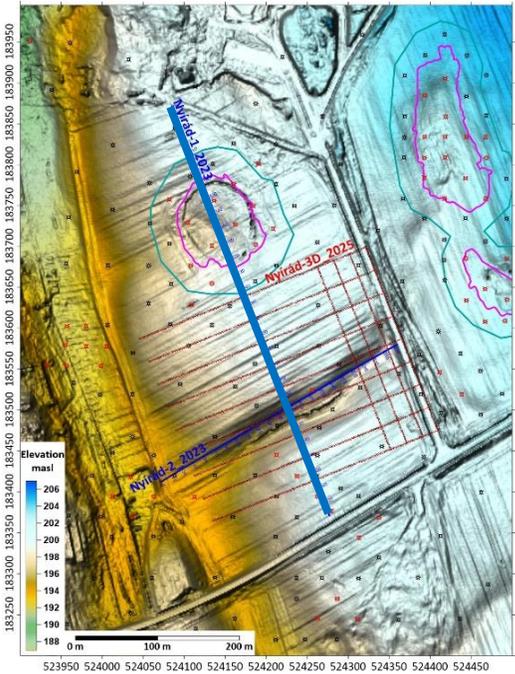


Measurements

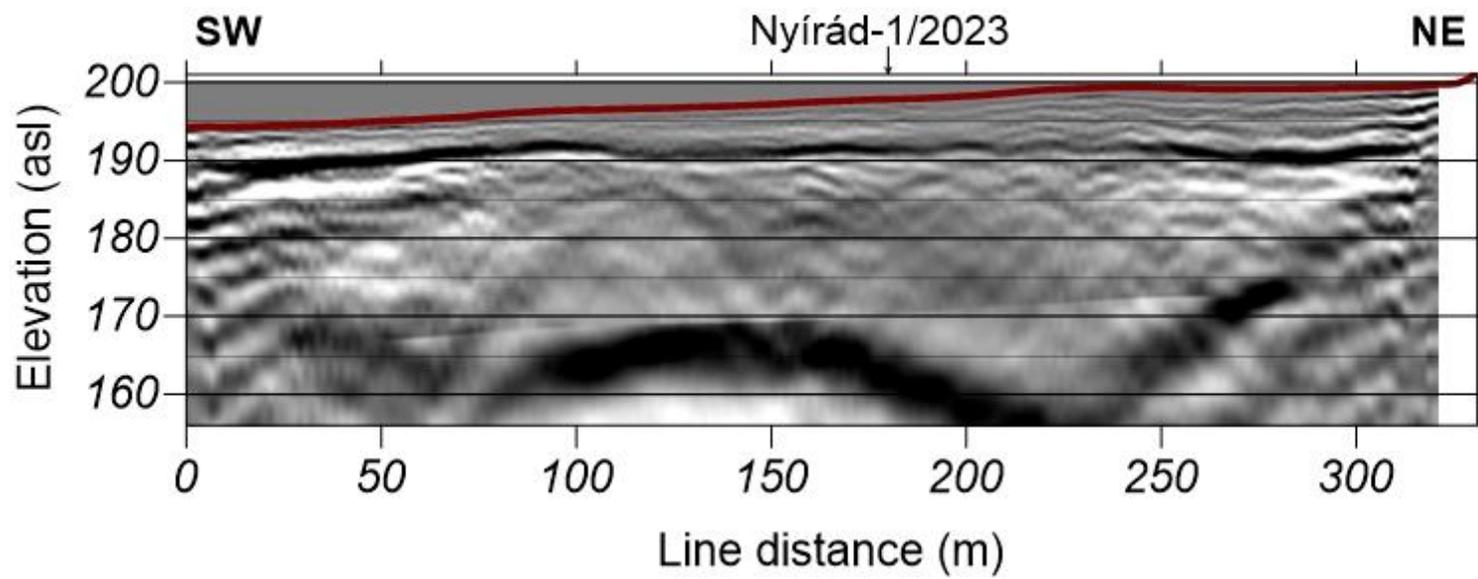
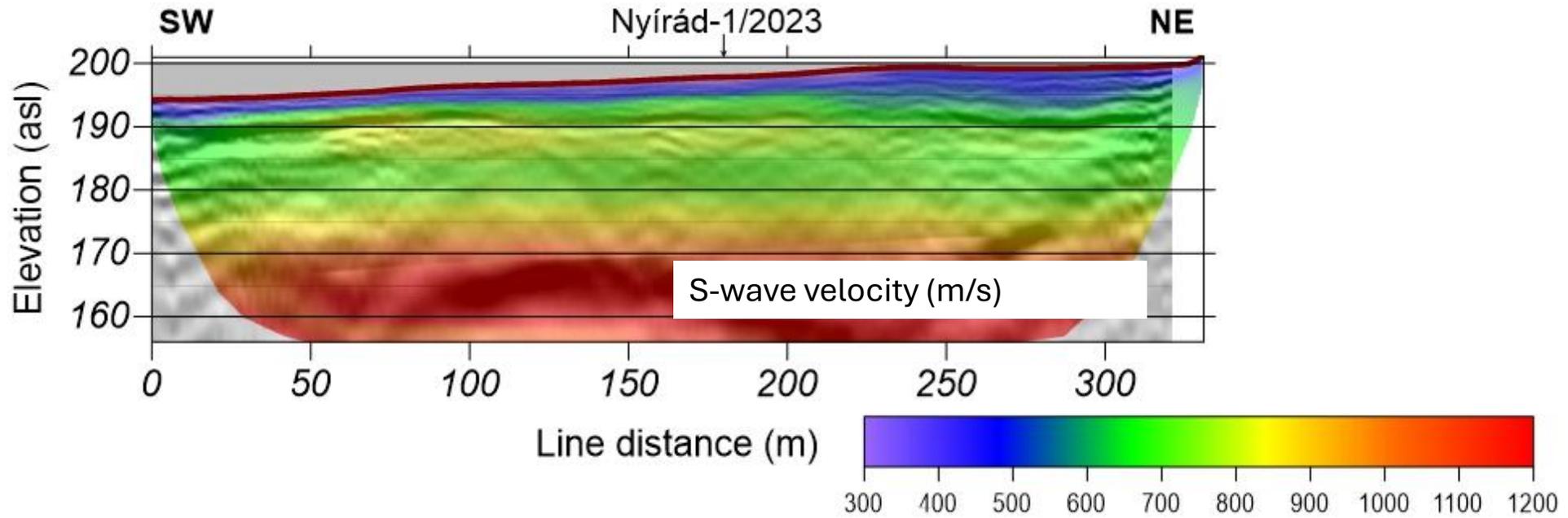
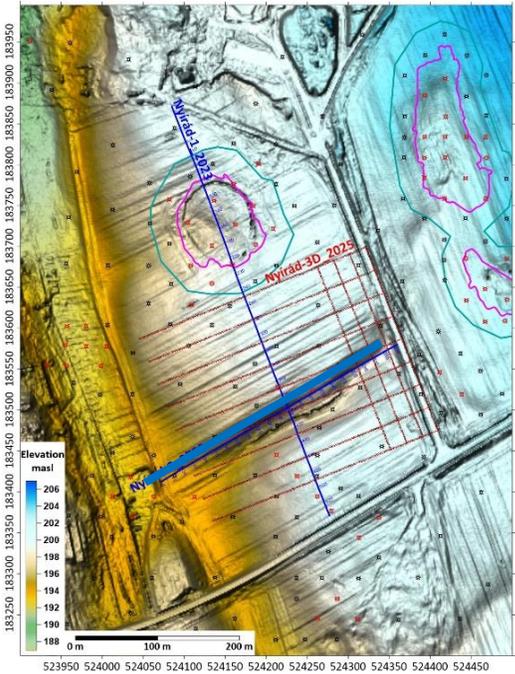
S-wave seismic vibroseis source (Lightning)



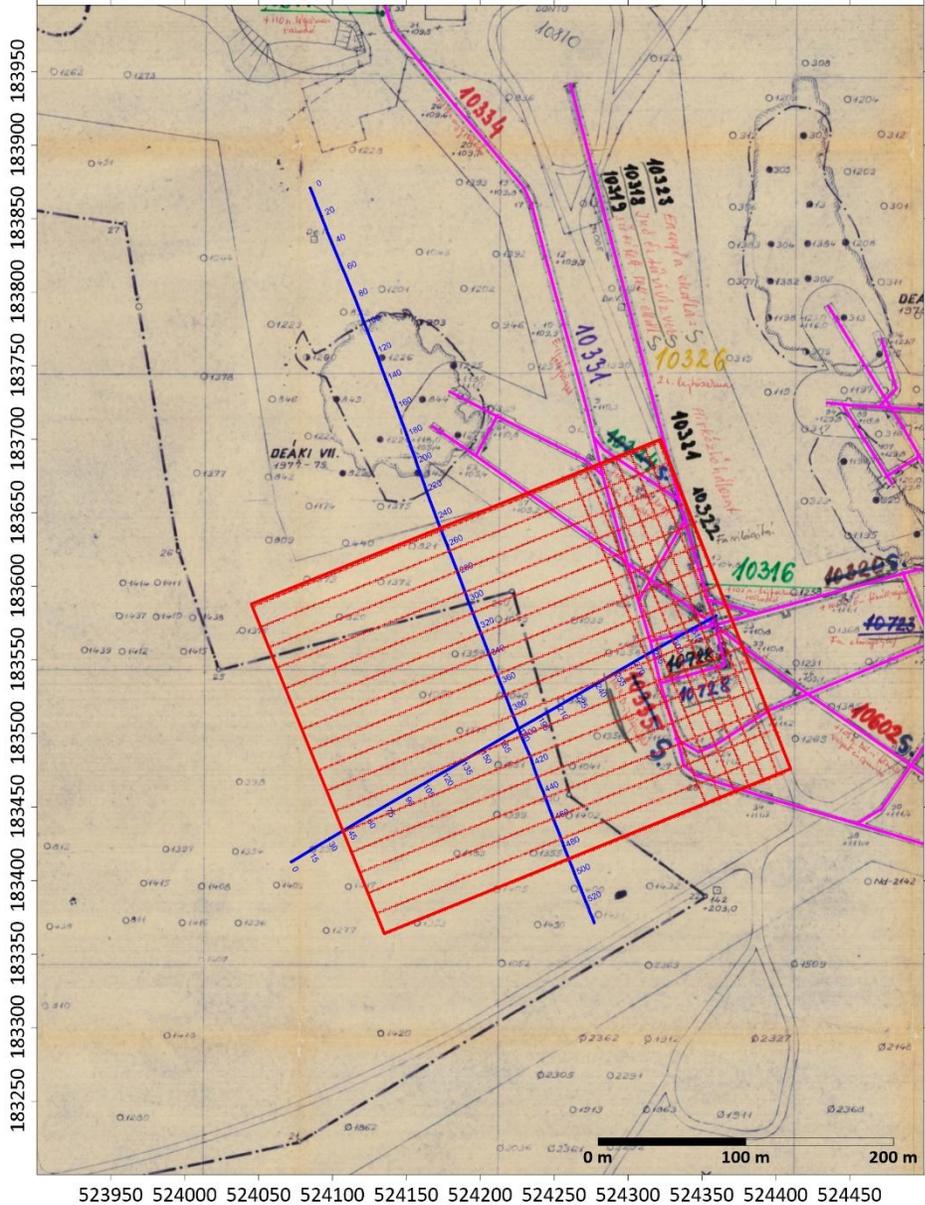
2D S-wave Seismics



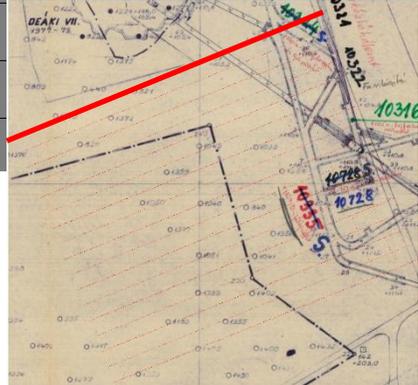
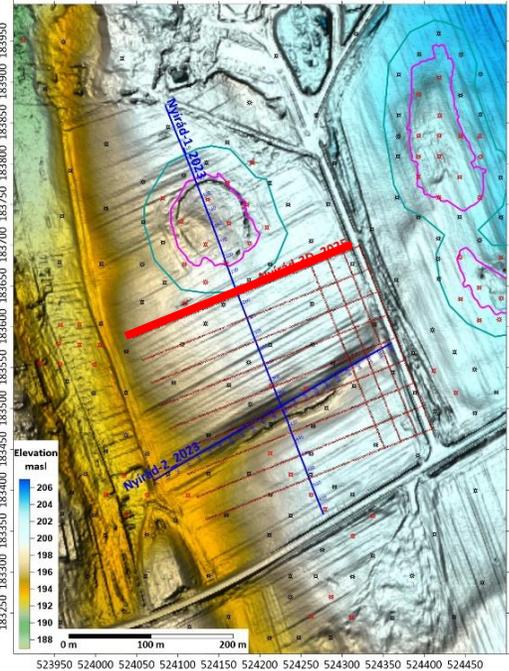
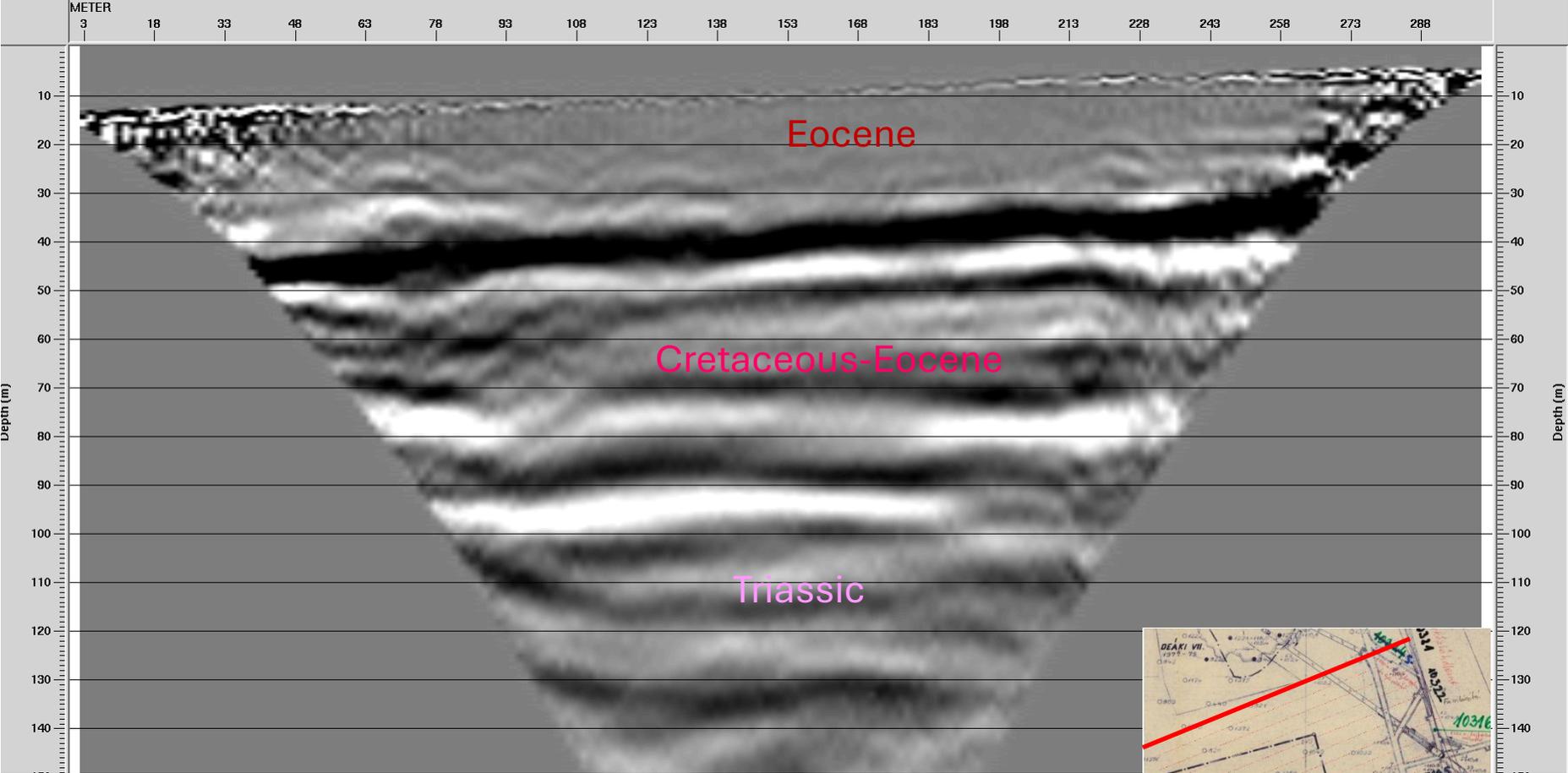
2D S-wave Seismics



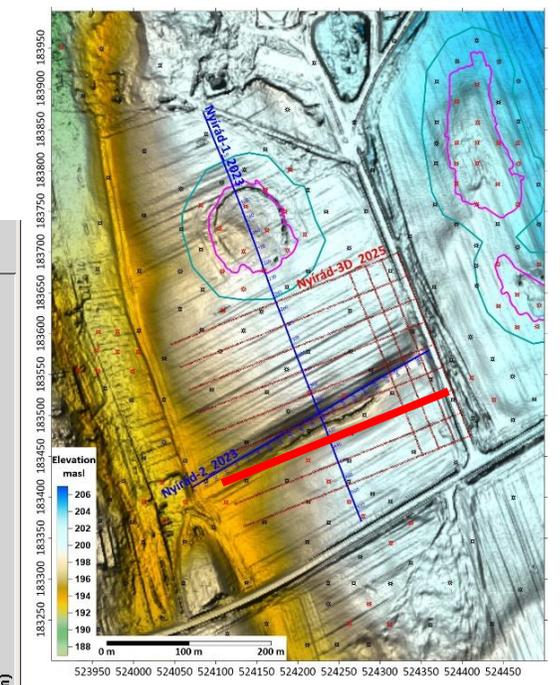
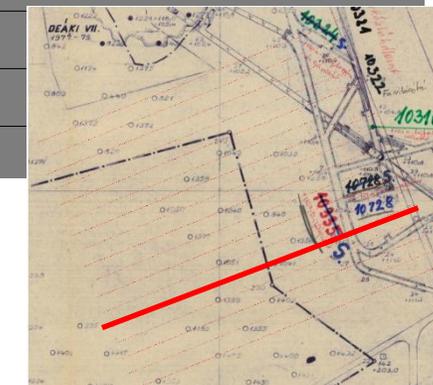
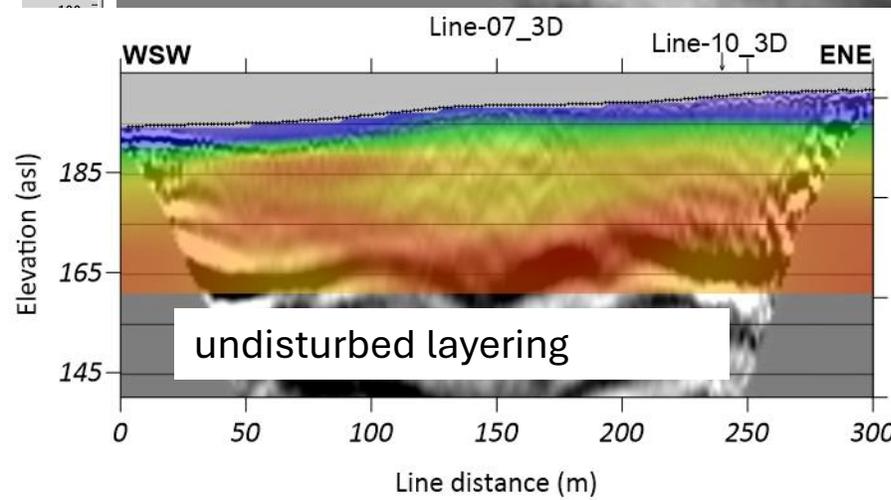
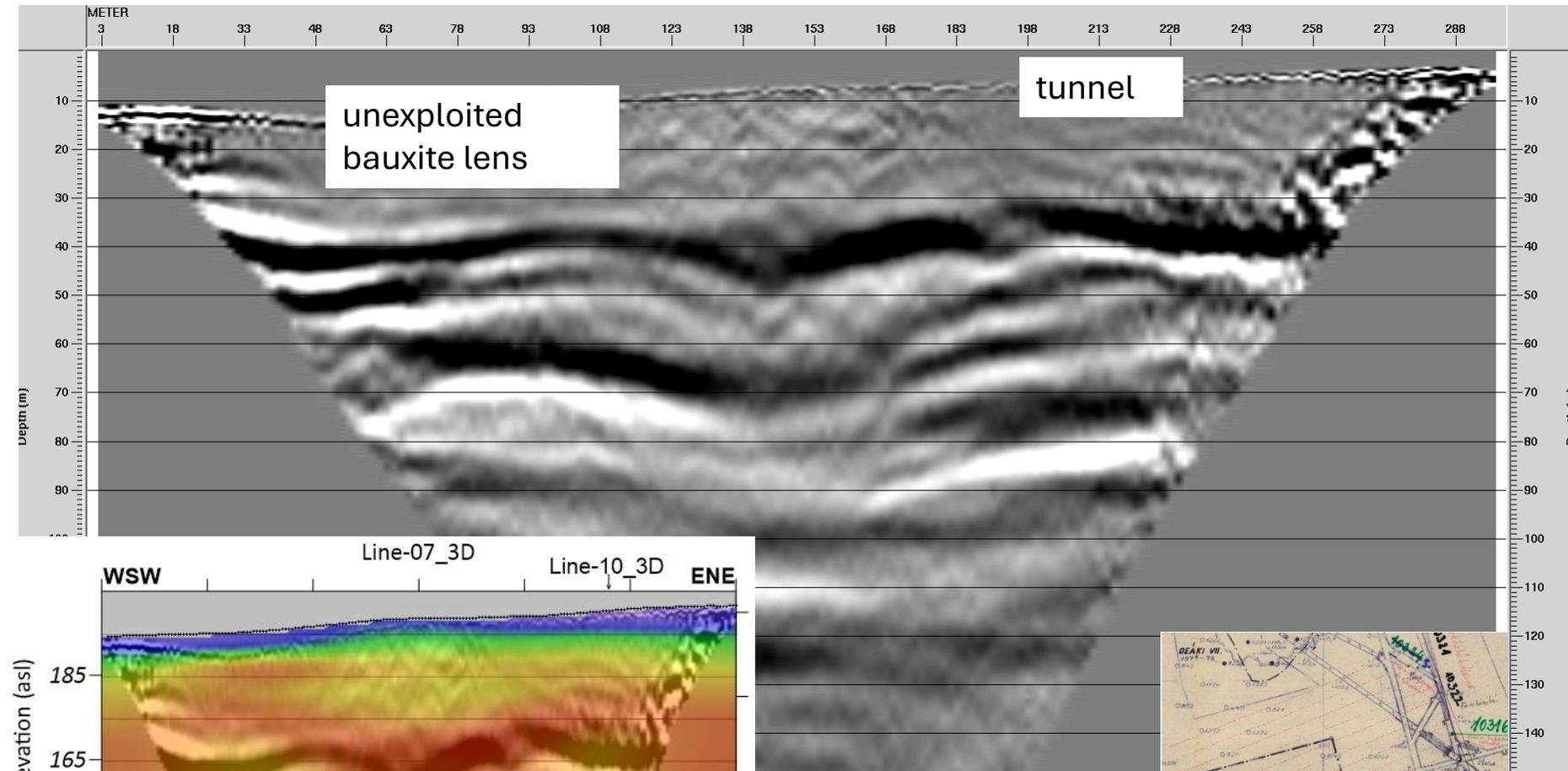
Subsurface Tunnels and 3D S-wave Seismic Survey



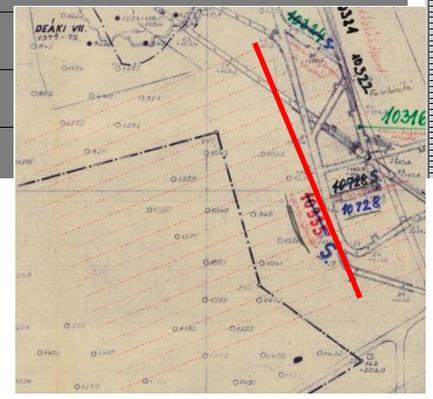
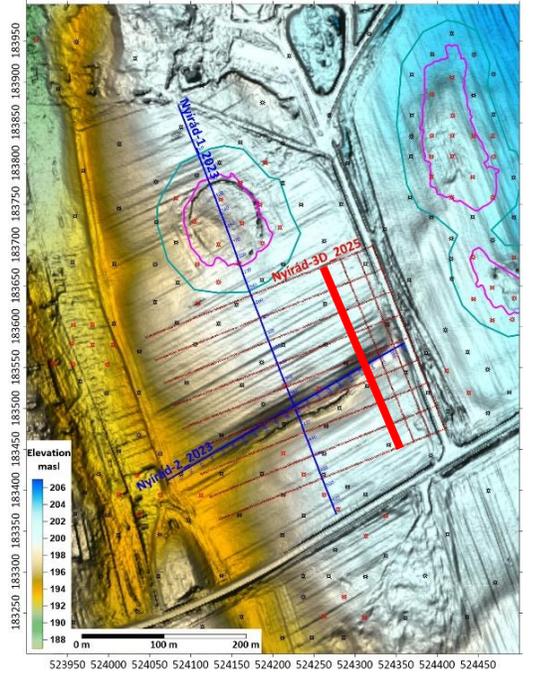
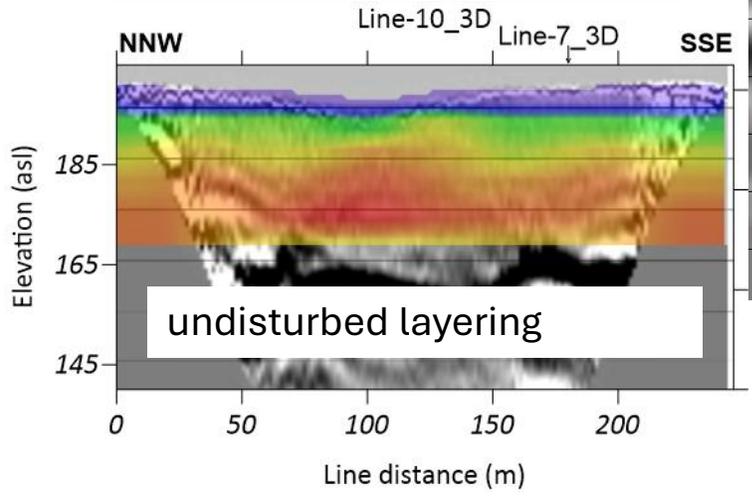
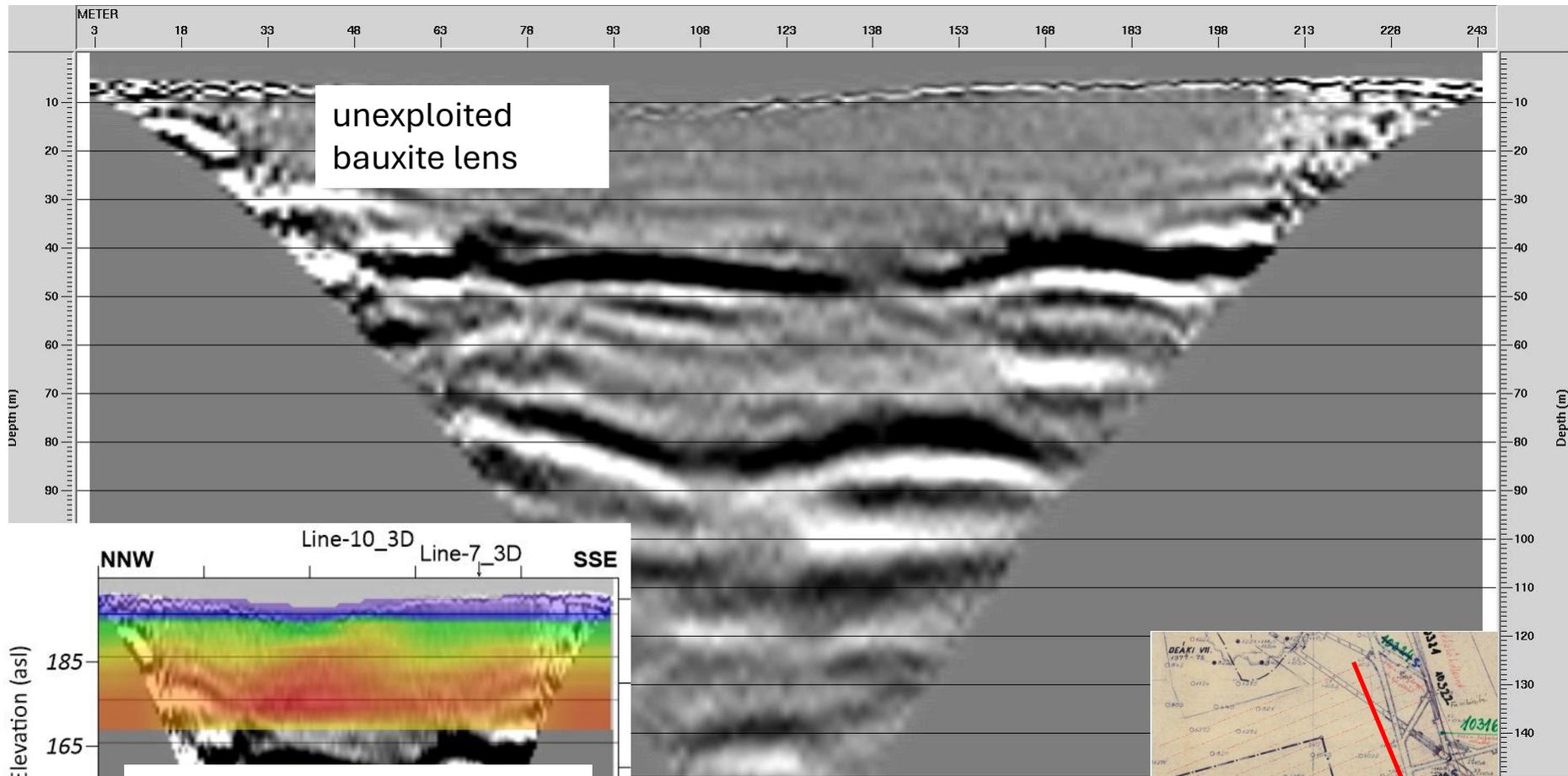
3D S-wave Seismics, Inline1



3D S-wave Seismics, Inline7



3D S-wave Seismics, Crossline10



Acknowledgements / Thank You / Questions



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References:

Schmieder A., Szilágyi G. [1988] Dunántúli-középhegység főkarsztrendszerének terhelése és terhelhetősége. Bányászati és Kohászati Lapok 121./2. pp. 72-89

Smaragd GSH [2017] A Dunántúli-középhegységi karsztvízszint emelkedés okozta jelenségek állapotörögzítése, a várható emelkedés modellezése.

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