

Morphological modelling results Susek



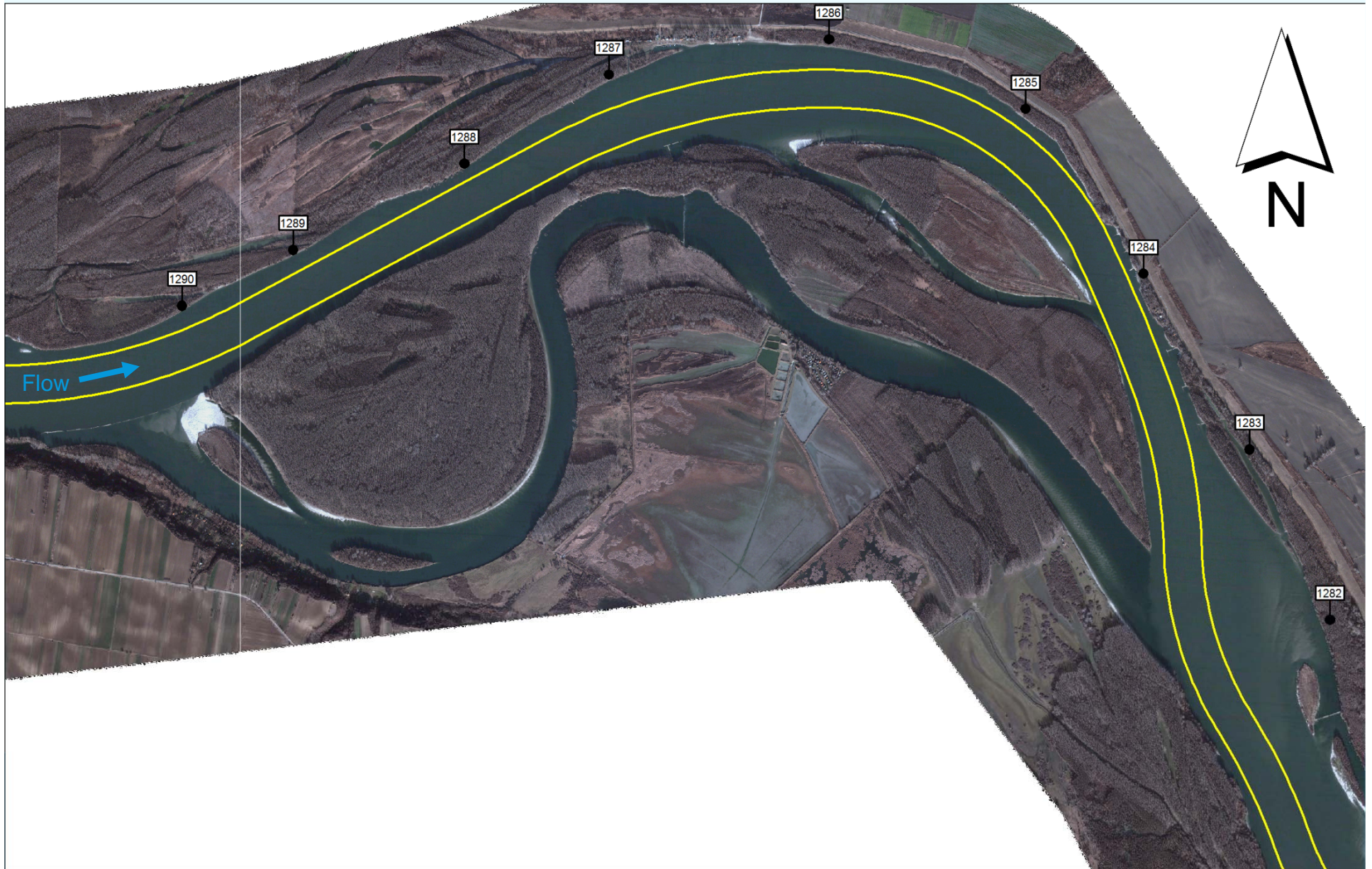
Preparation of Documentation for River Training and Dredging Works on Selected Locations along the Danube River. A project funded by the European Union

6 February, 2013

18. Sector – Susek (km 1,287-1,281)



18. Susek – existing situation

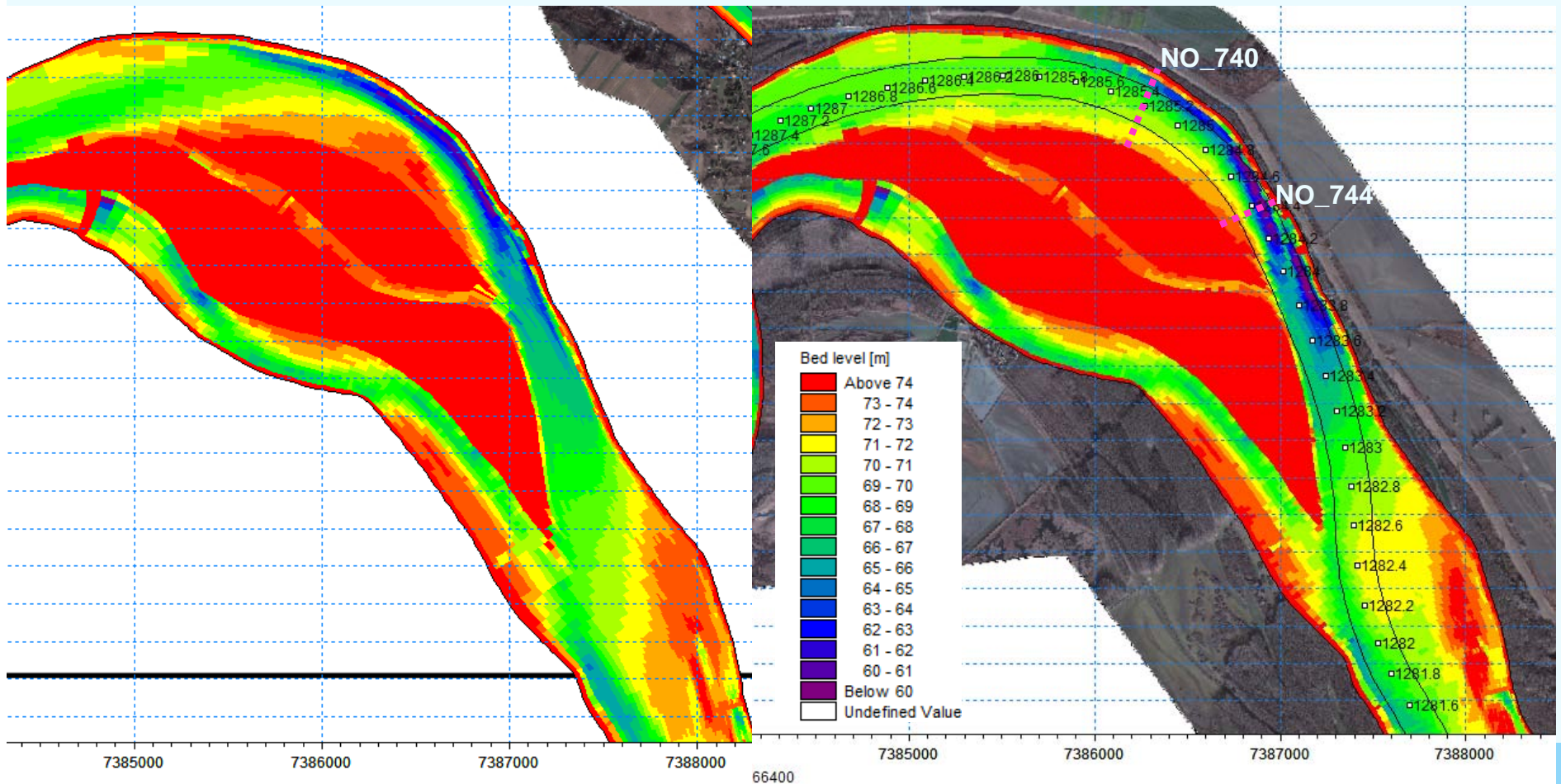


18. Susek – existing situation

Observed bed level changes:

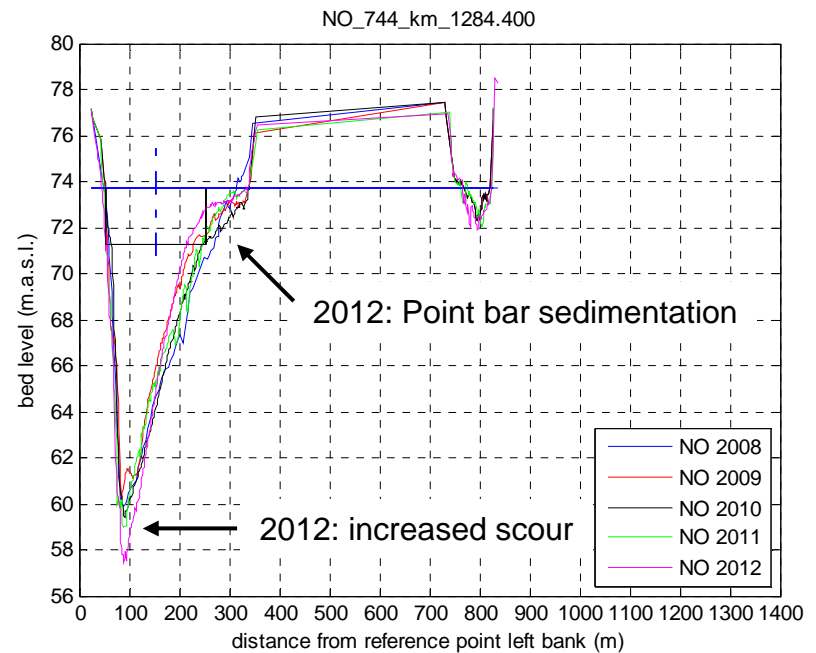
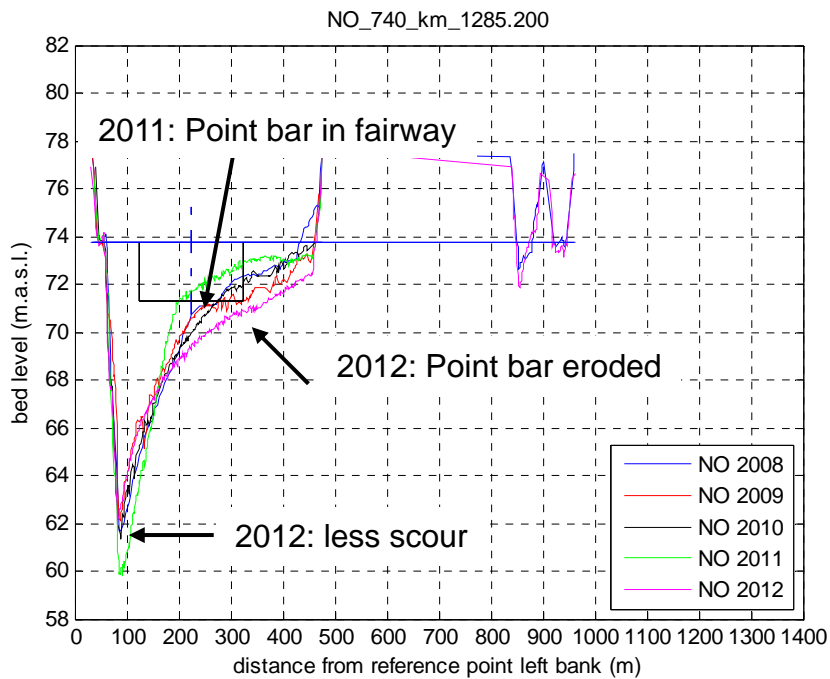
2011

2012



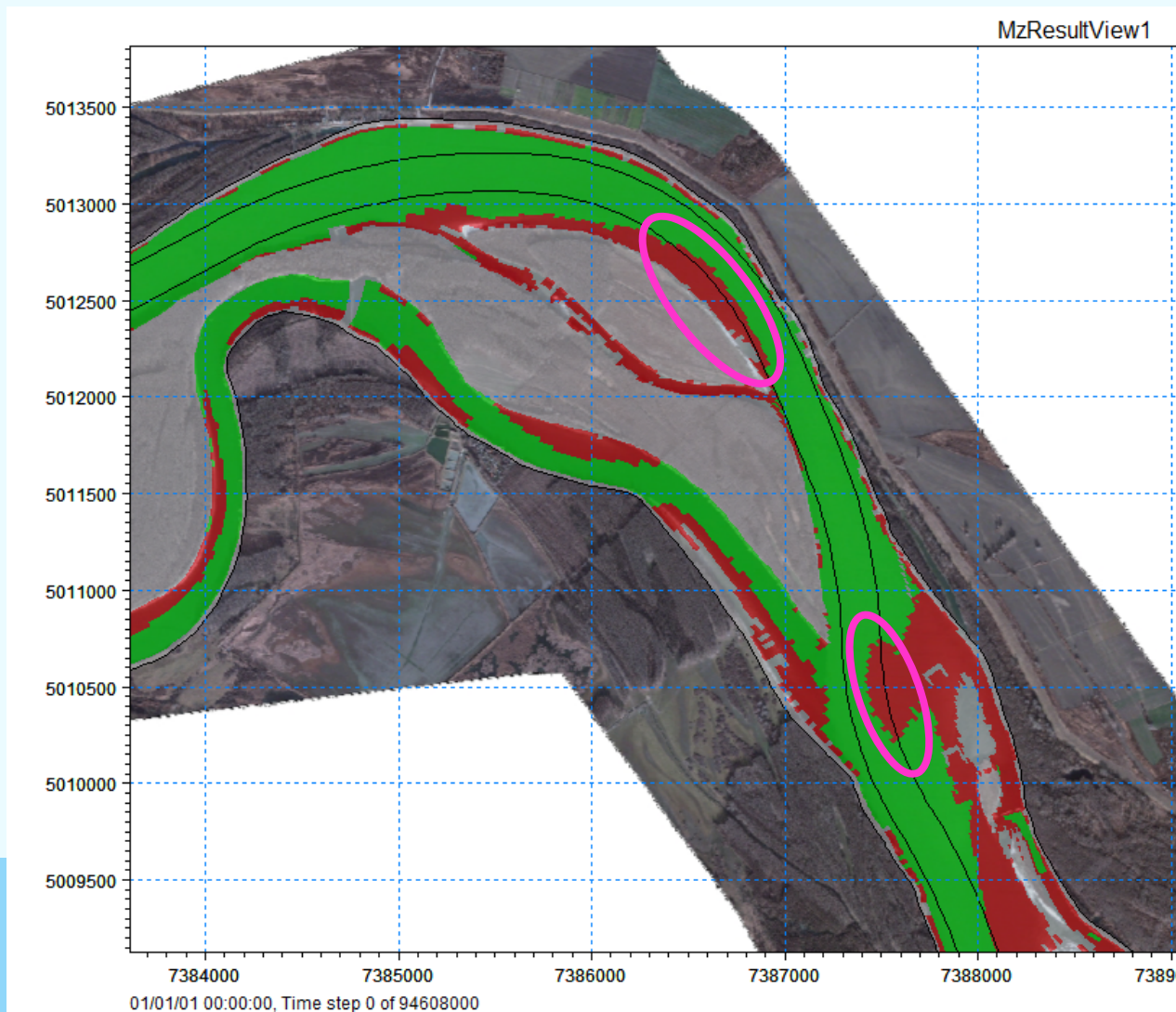
18. Susek – existing situation

Observed bed level changes:



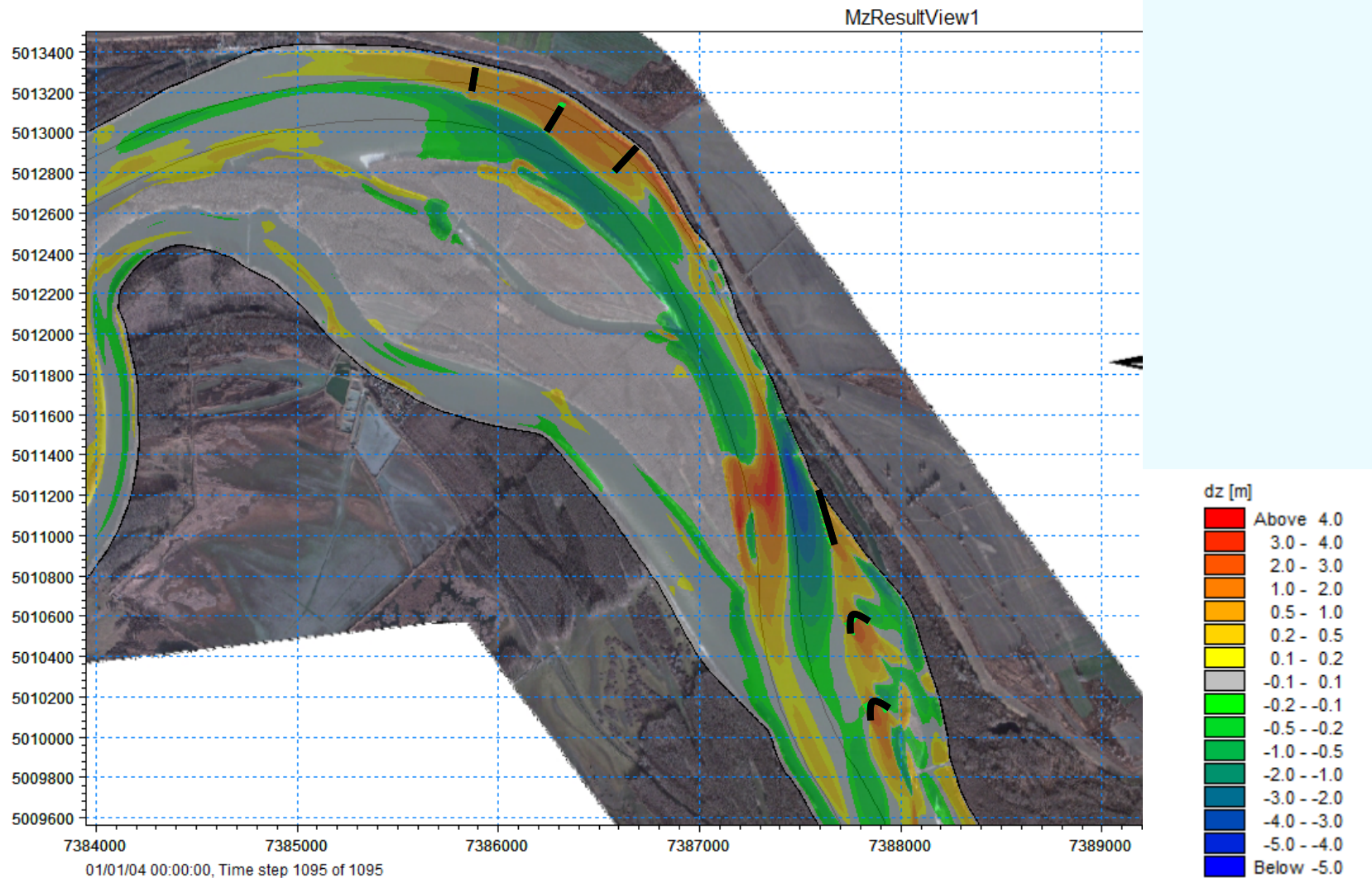
18. Susek – existing situation

Where is the depth less than 2.5 m at DLNL (2012)?



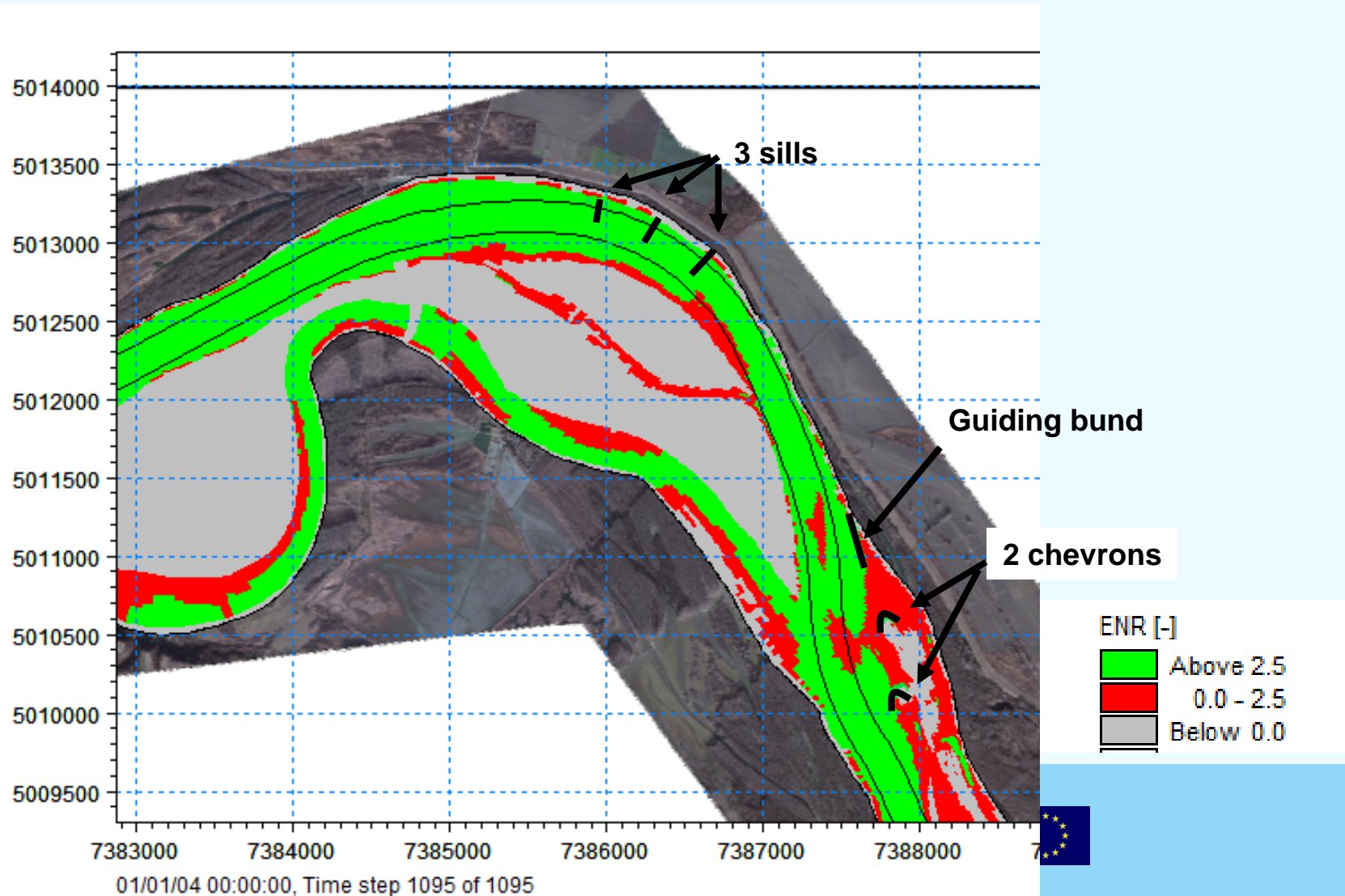
18. Susek - simulation

Conceptual design : Simulated bed level changes after 3 years



18. Susek - simulations

Do we have sufficient depth below DLNL, green = yes, red = no



18. Susek – conclusions

- Various scenarios with different amount of sills and sill heights were tested.
- Bend remains critical and additional problem is created downstream of the bend.
- It appears that dredging in the inner bend and downstream is the best solution.
- Dredging volumes and back filling time will be determined

Thank you for your kind attention

