



LATVIJAS
UNIVERSITĀTE
ANNO 1919



LIFE13 NAT/LV/000578
CONSERVATION AND MANAGEMENT OF PRIORITY WETLAND HABITATS IN LATVIA

Raised bog hydrology studies for restoration actions in Latvia

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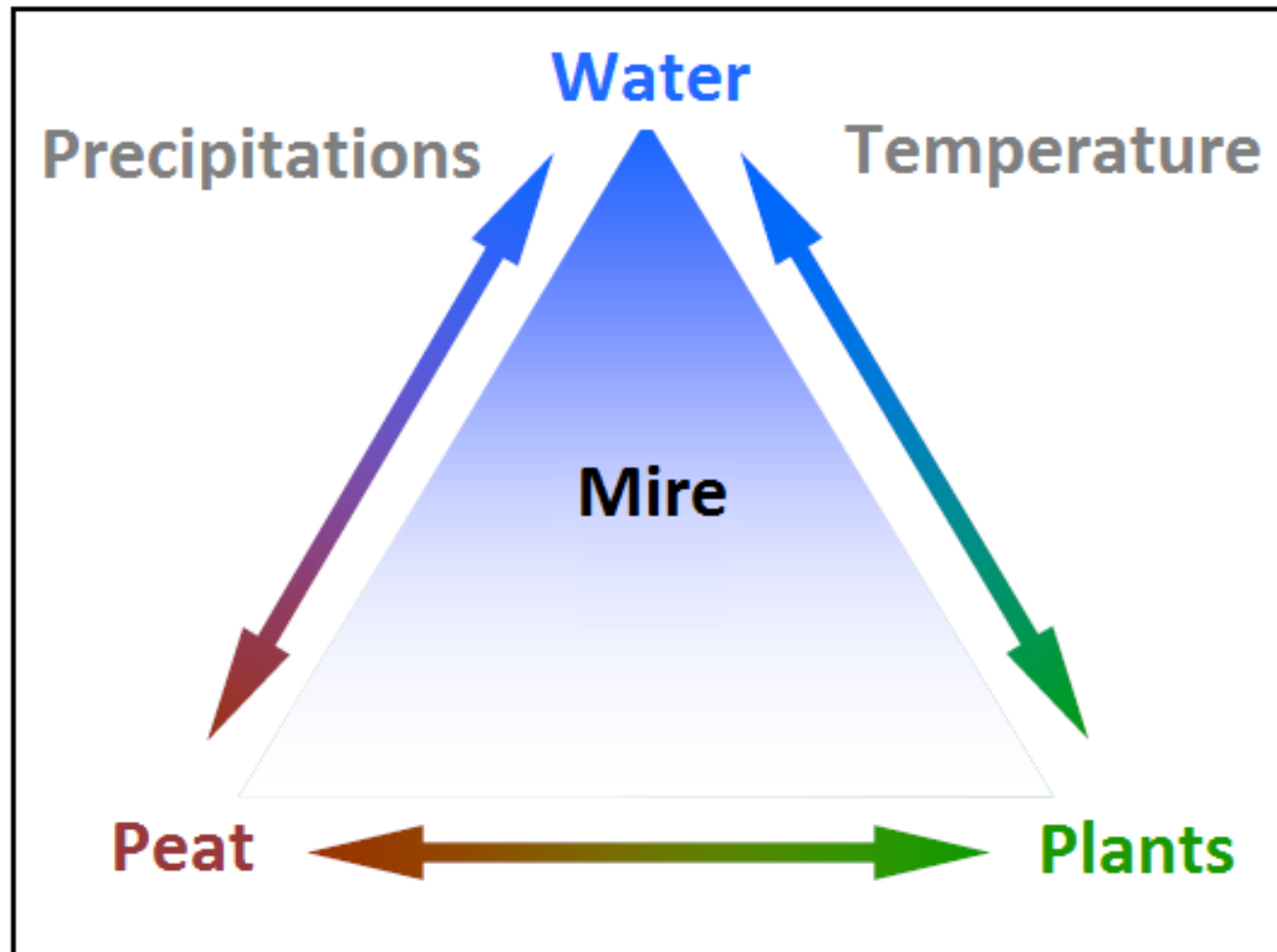


CONTENT OF PRESENTATION

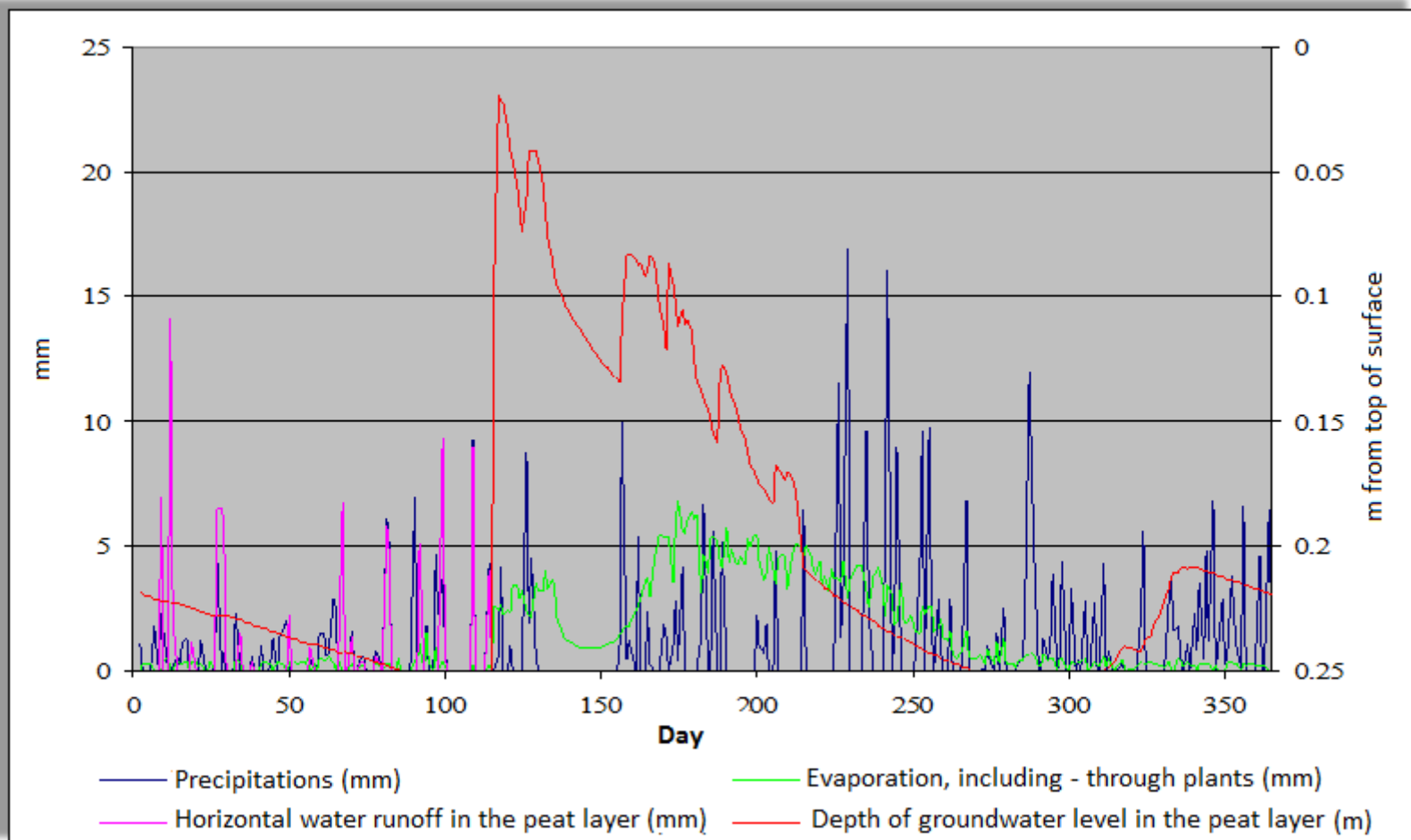
- ▀ Mires hydrology
- ▀ Data collection and historical information studies
- ▀ Hydrological modelling for mires restoration projects



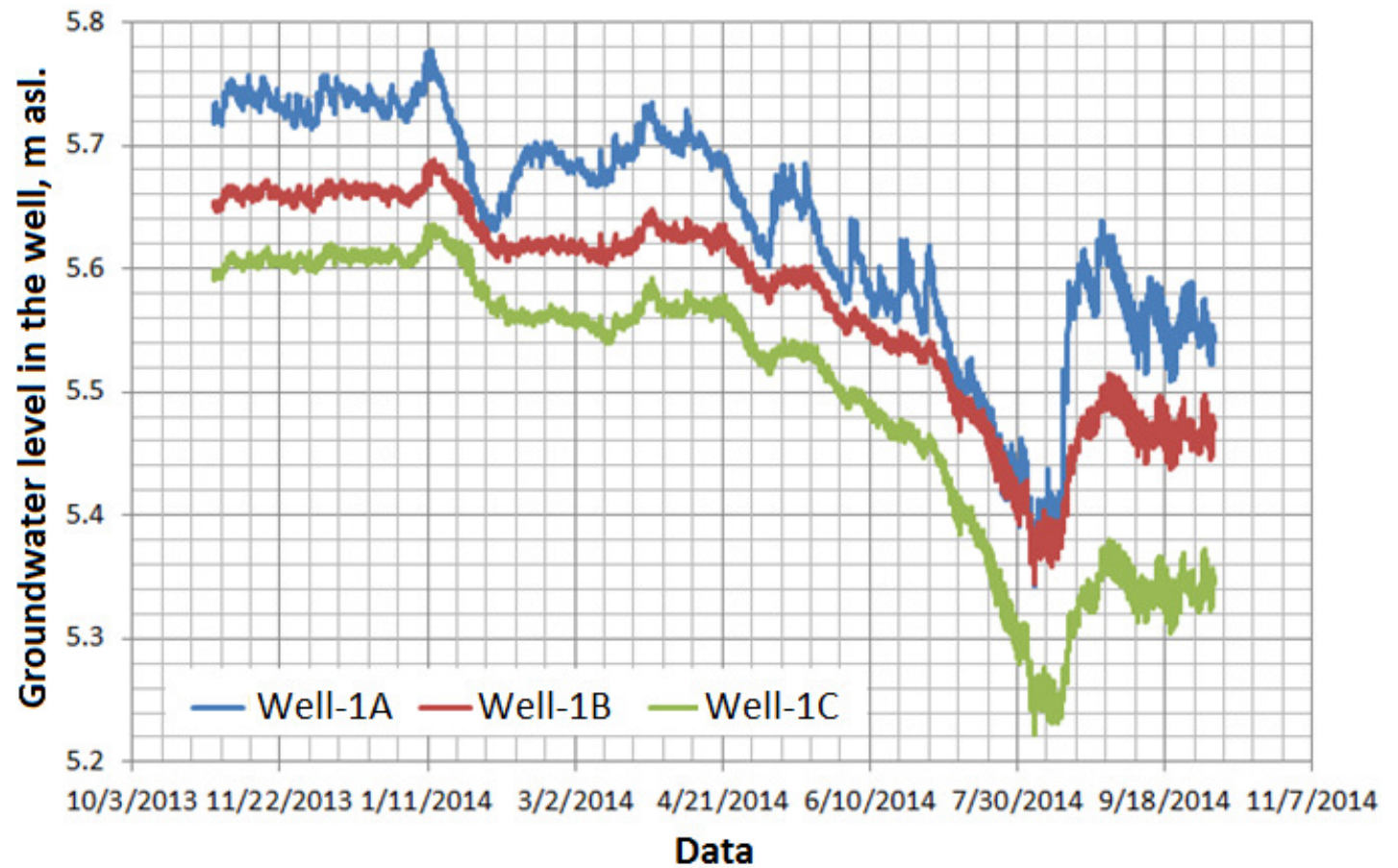
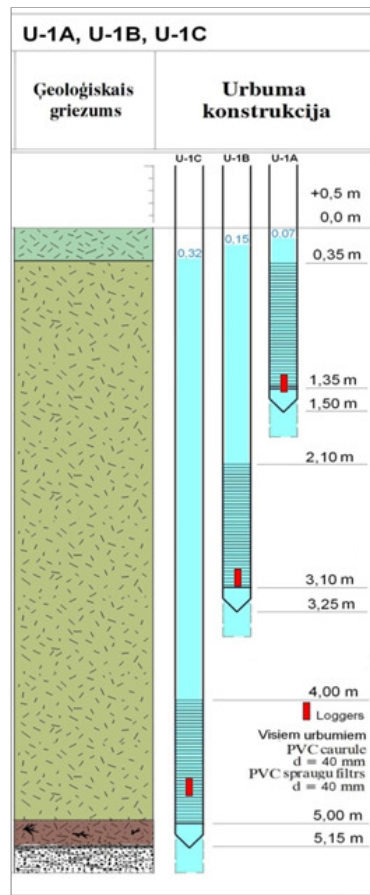
Interaction of mire components



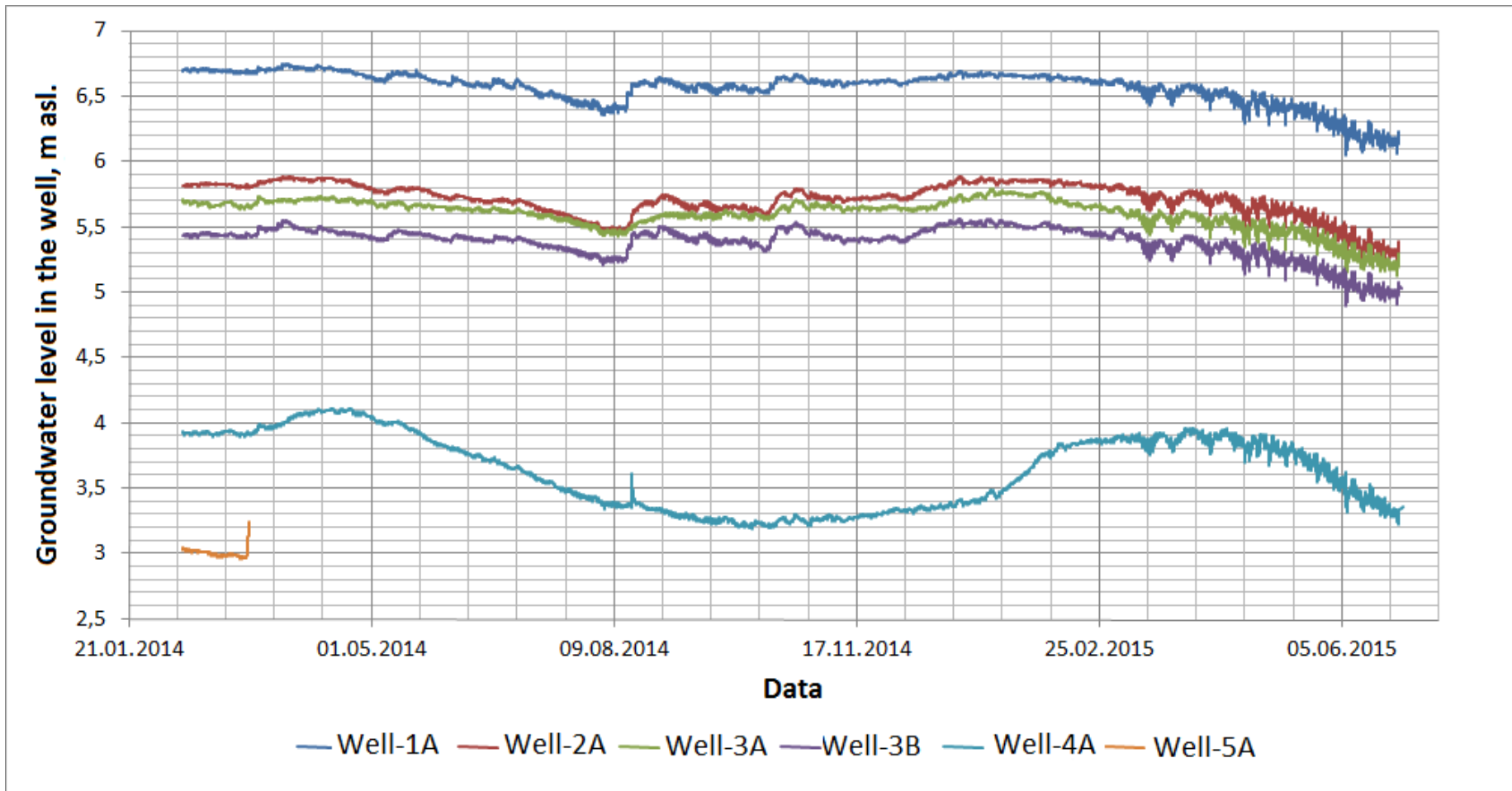
Hydrological regime of mire



Groundwater level fluctuations in the raised bog



Groundwater level fluctuations in the raised bog



DATA COLLECTION AND HISTORICAL INFORMATION STUDIES

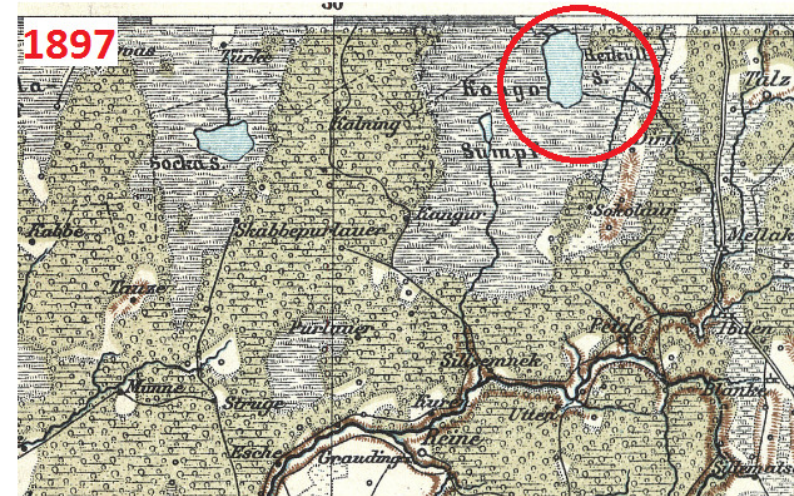


Old maps studies

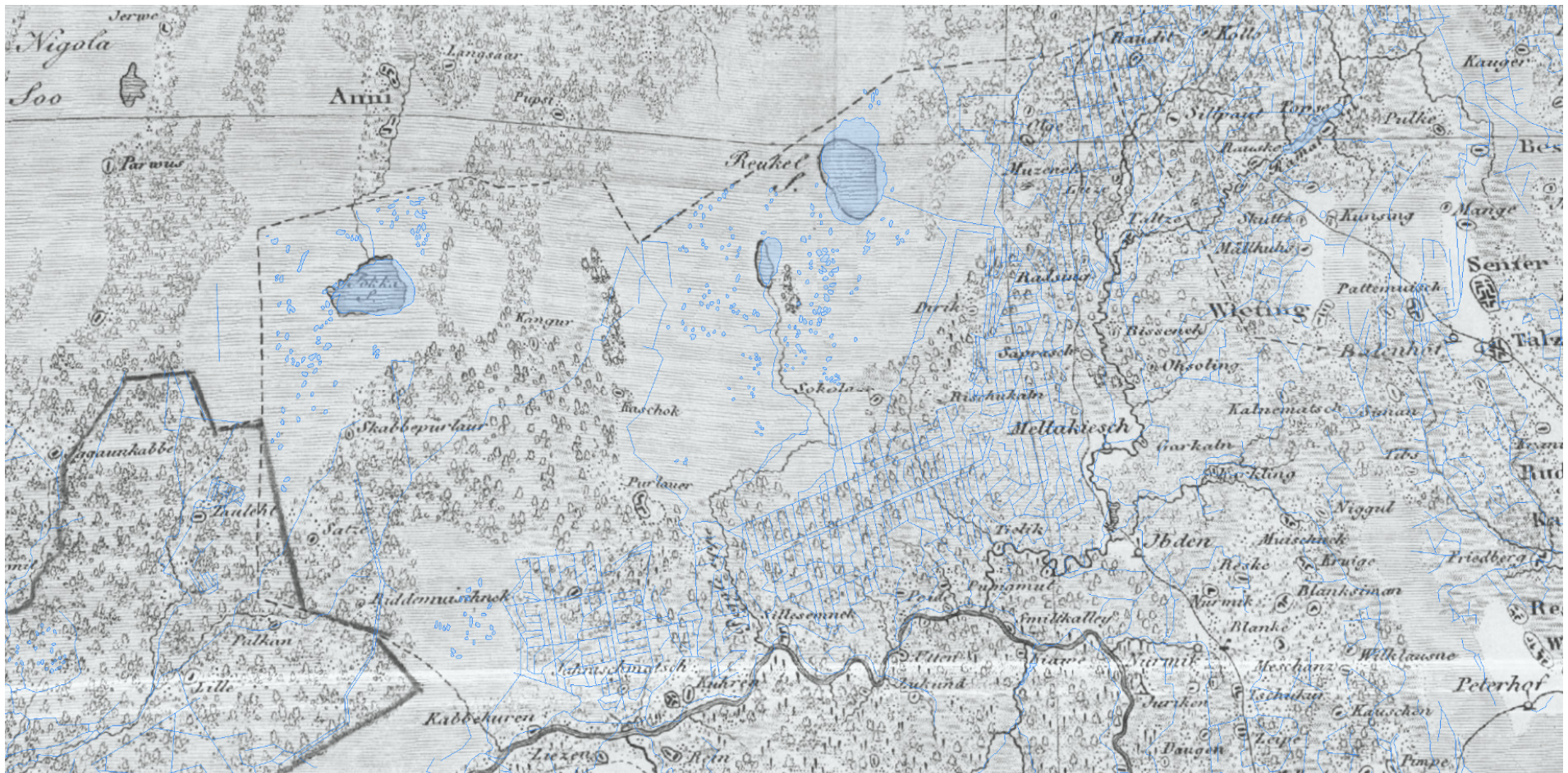
1798 Year



Old maps studies



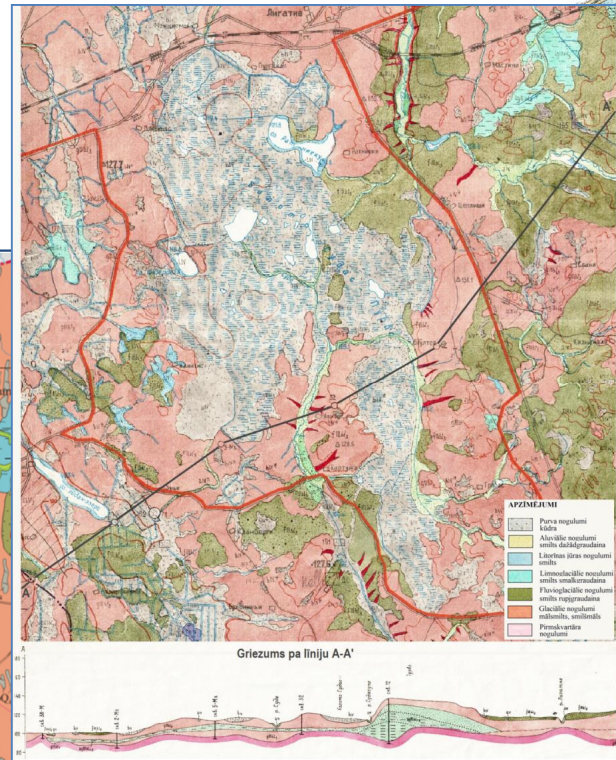
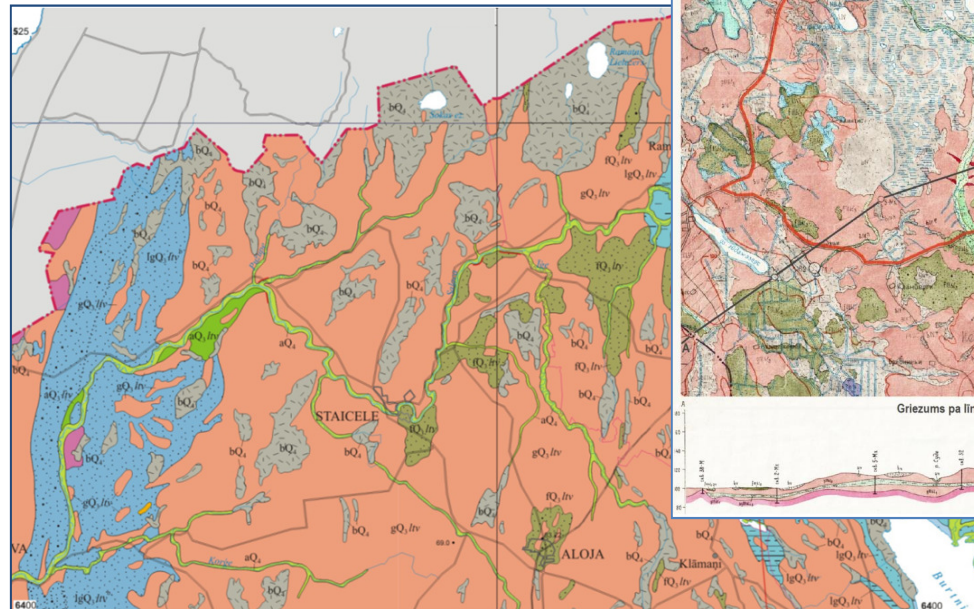
Old maps studies



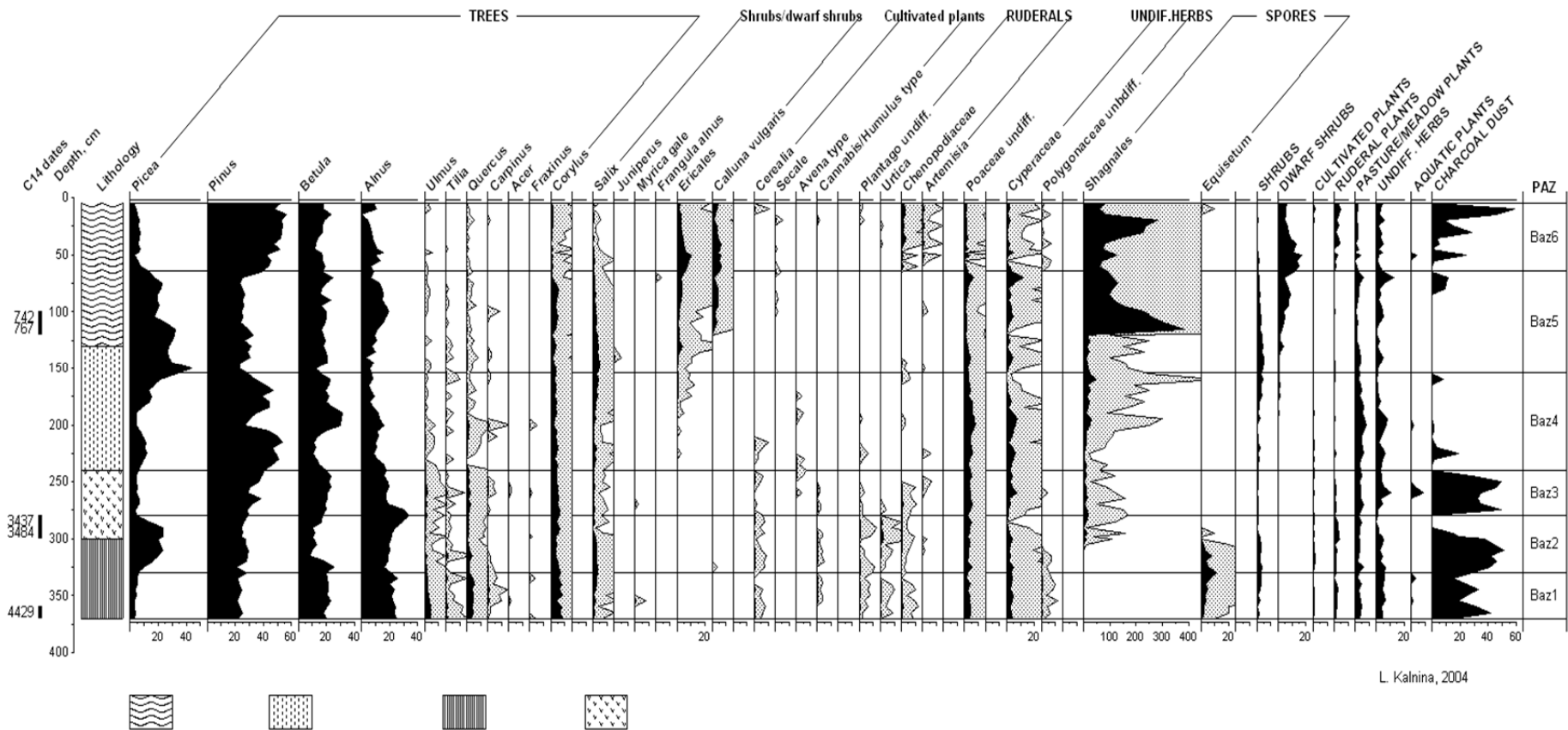
Geological information collection

APZĪMĒJUMI

- | | | | |
|--|---|--|---|
| | Purva nogulumu kūdra | | Fluvioglačiālie nogulumu smilts rupjgraudaina |
| | Eolīe (vēja) nogulumu smalkgraudaina smilts | | Glačiālie nogulumu mālsmilts, smilšmāls |
| | Aluviālie nogulumu smilts dažādgraudaina | | Pirmskvartāra nogulumu |
| | Litorīnas jūras nogulumu smilts | | |
| | Limnoglaciālie nogulumu smilts smalkgraudaina | | |



SPORE-POLLEN ANALYSIS



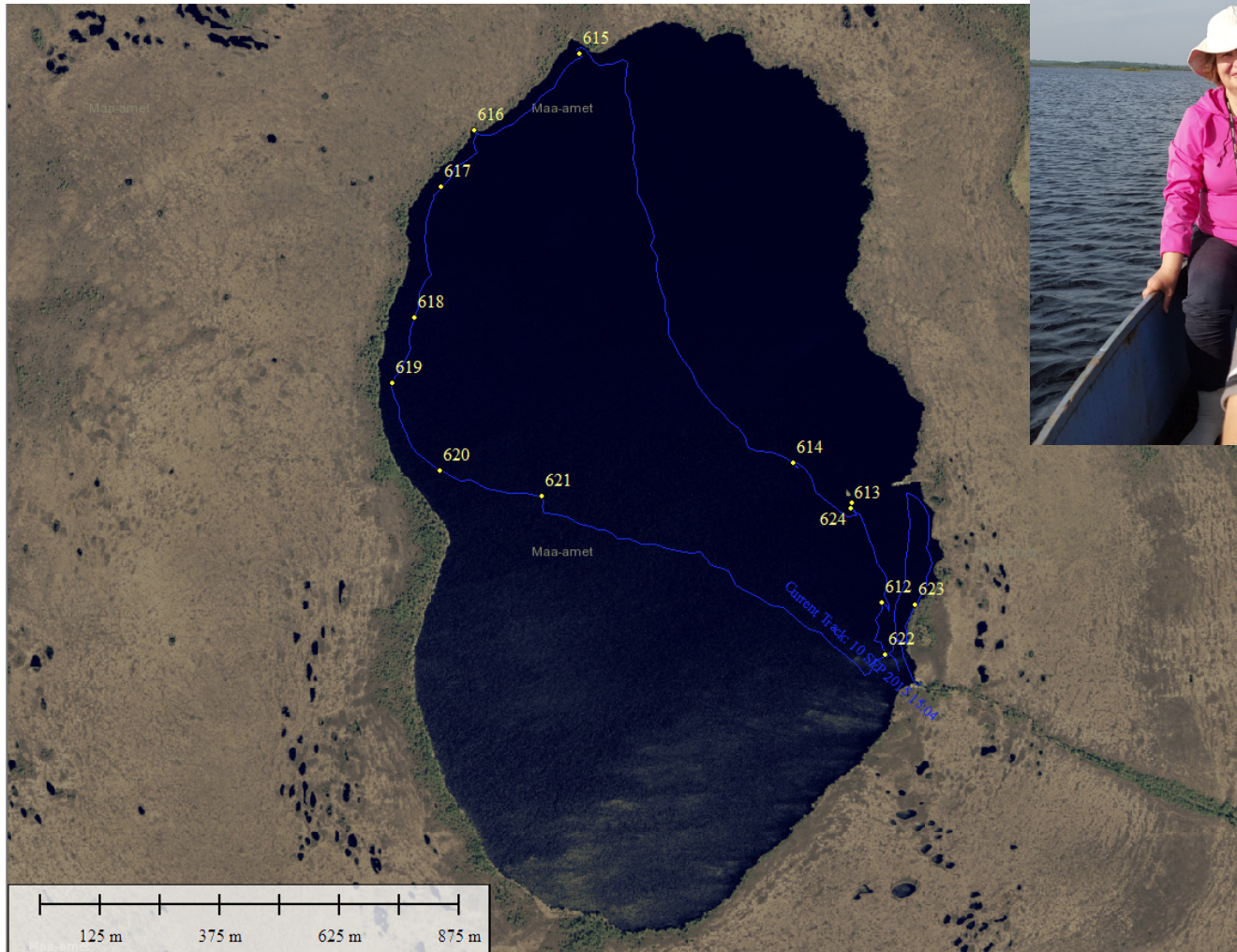
Field investigations



Field investigations



Field investigations



Field investigations



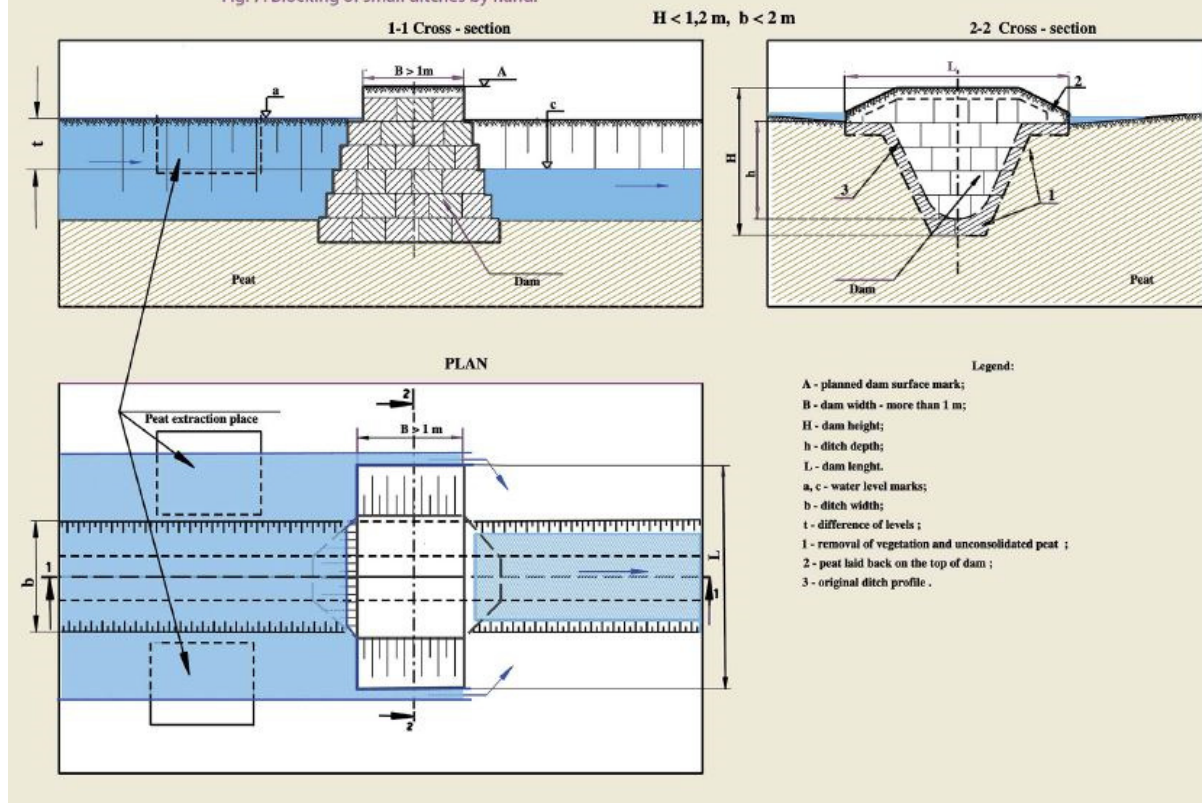
Groundwater monitoring



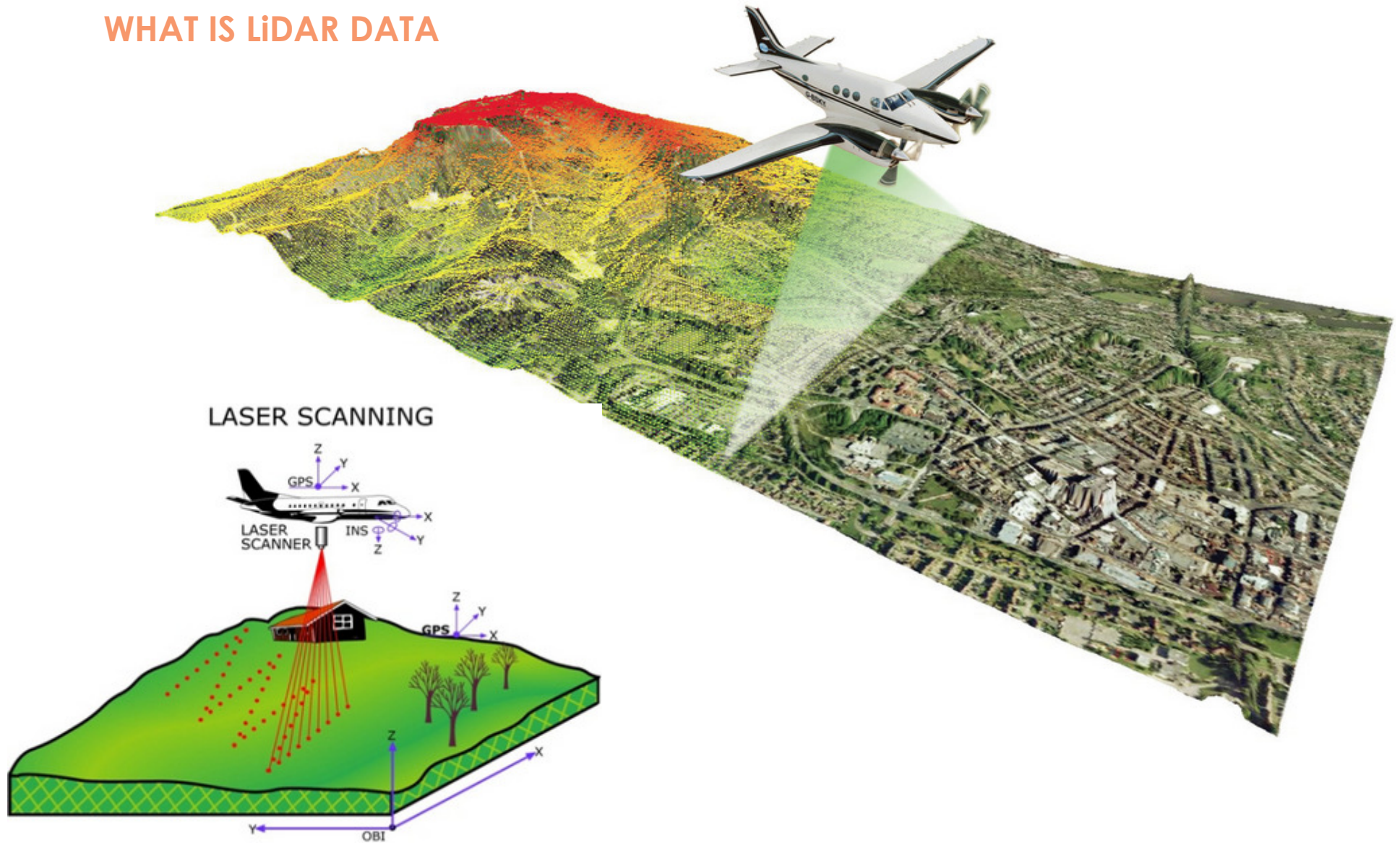
HYDROLOGICAL MODELLING FOR MIRE RESTORATION PROJECTS



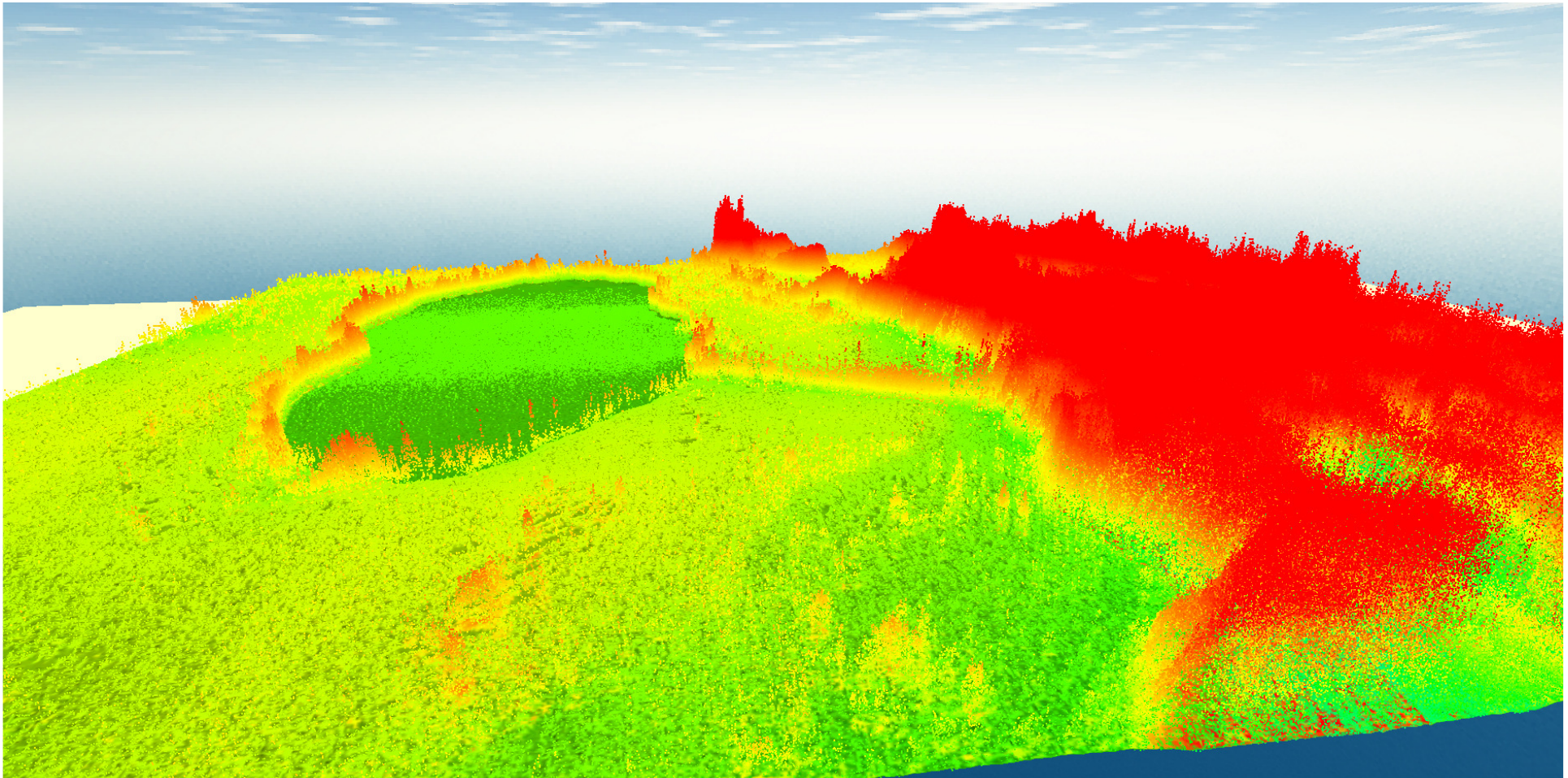
Fig. 7. Blocking of small ditches by hand.



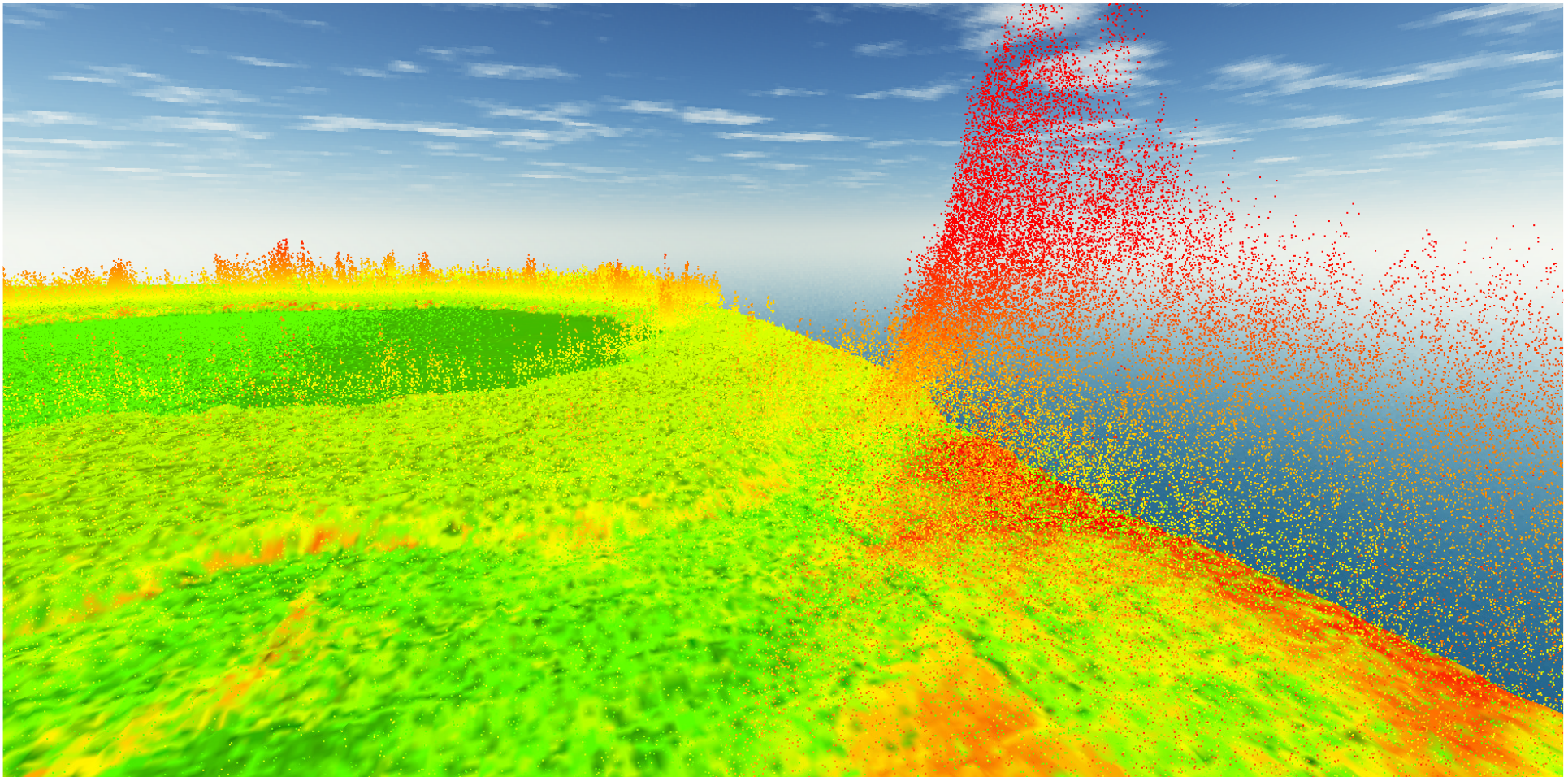
WHAT IS LIDAR DATA



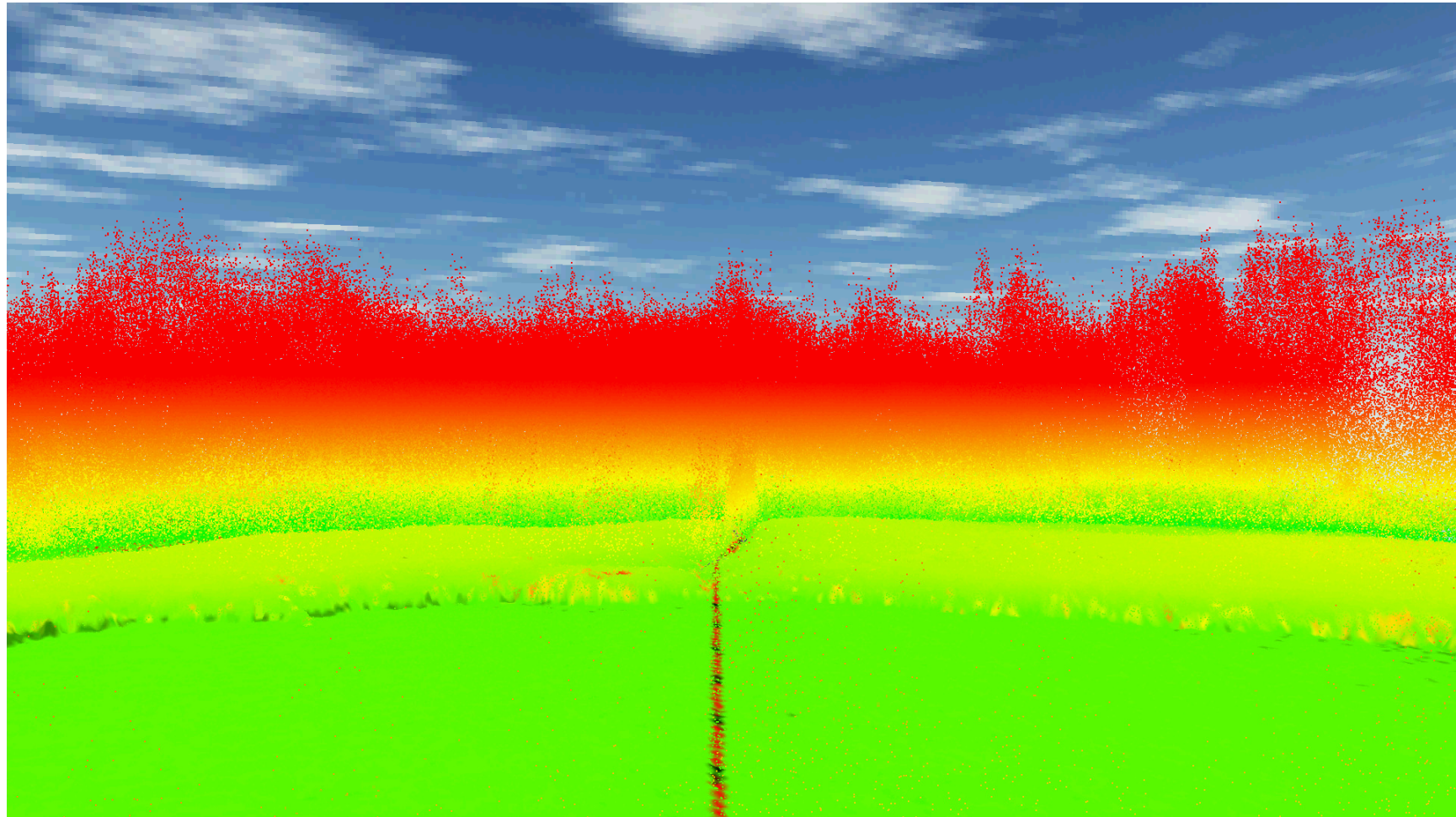
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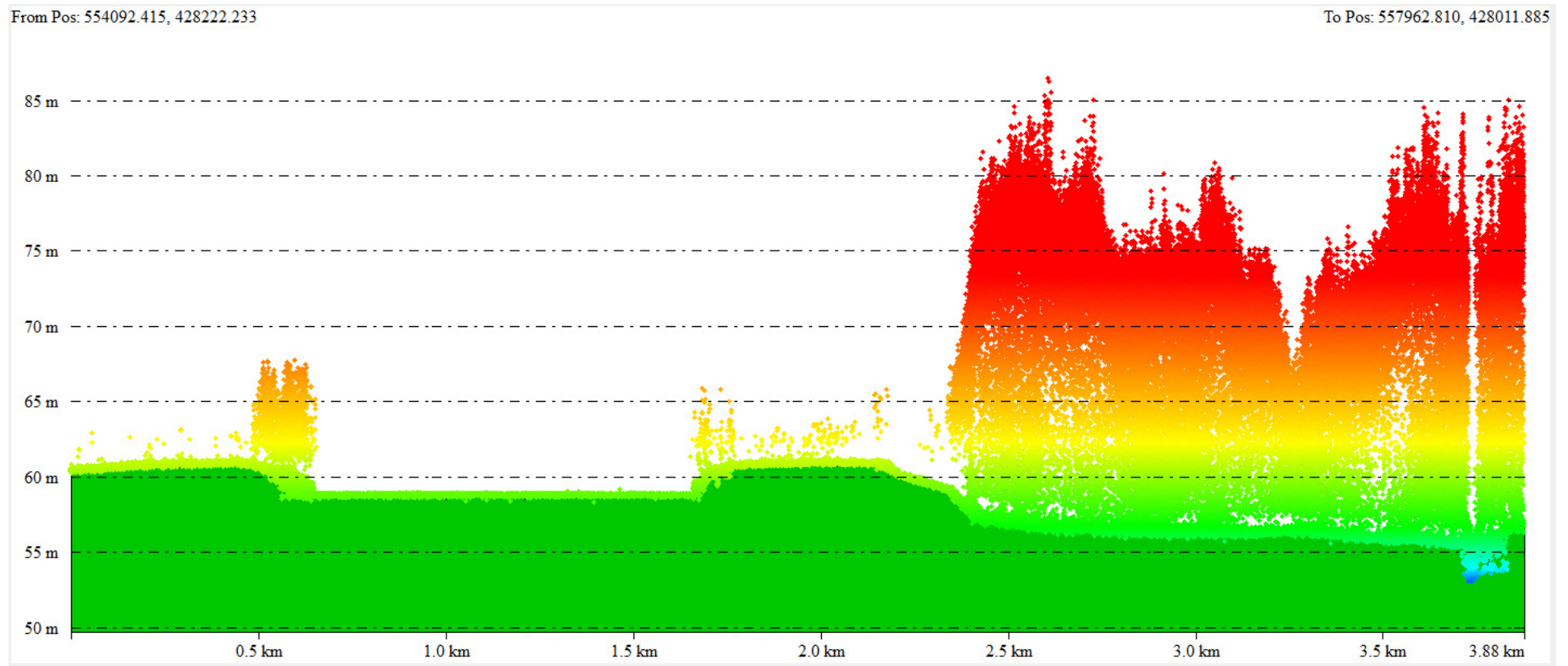
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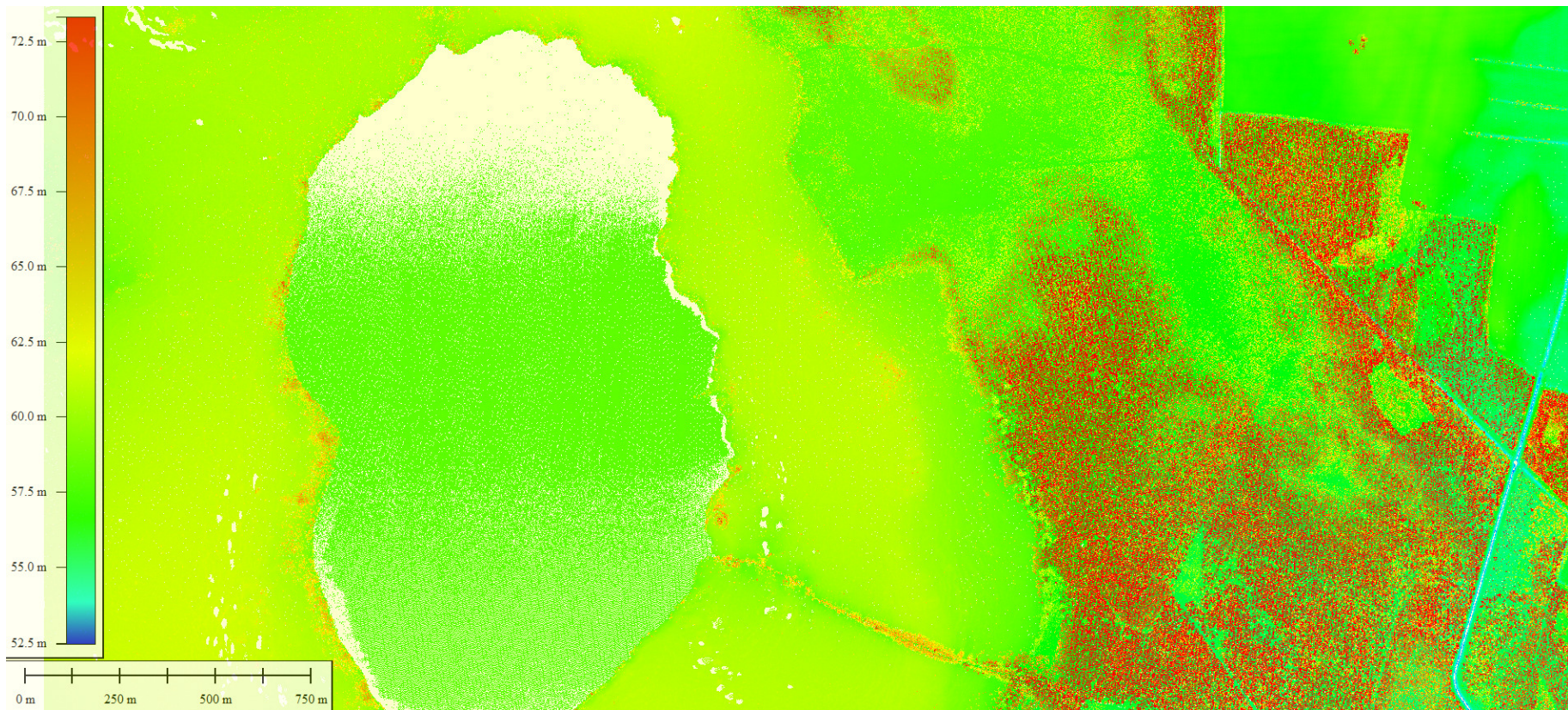
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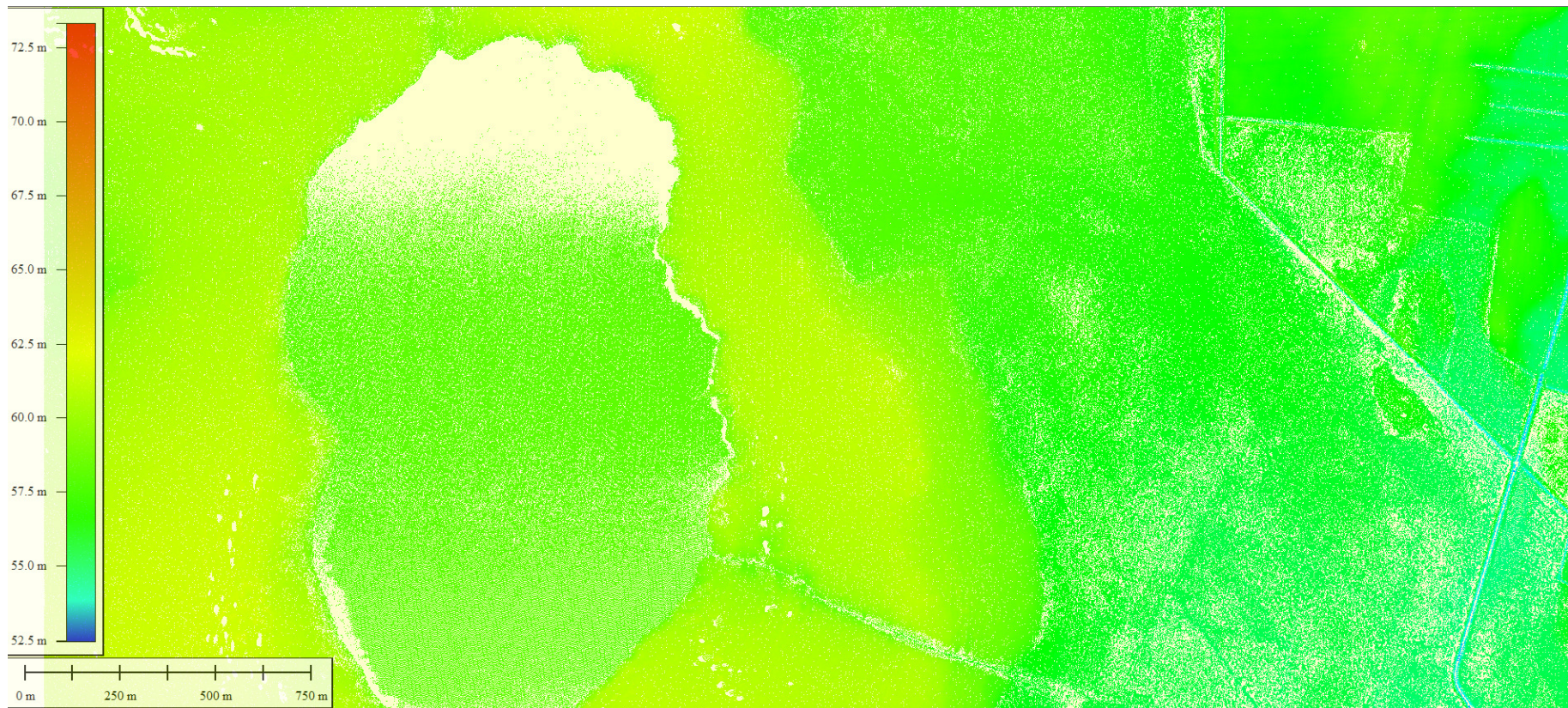
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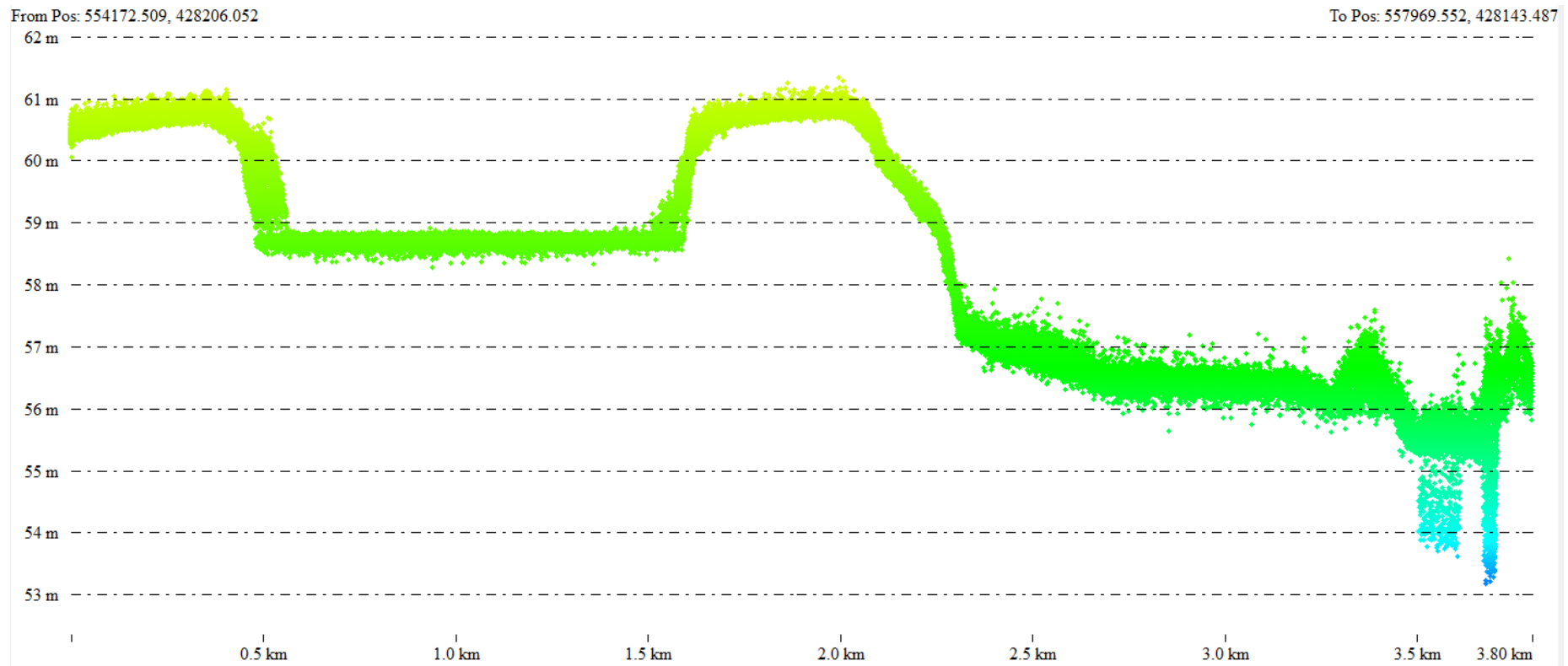
DIGITAL ELEVATION MODELS CREATION



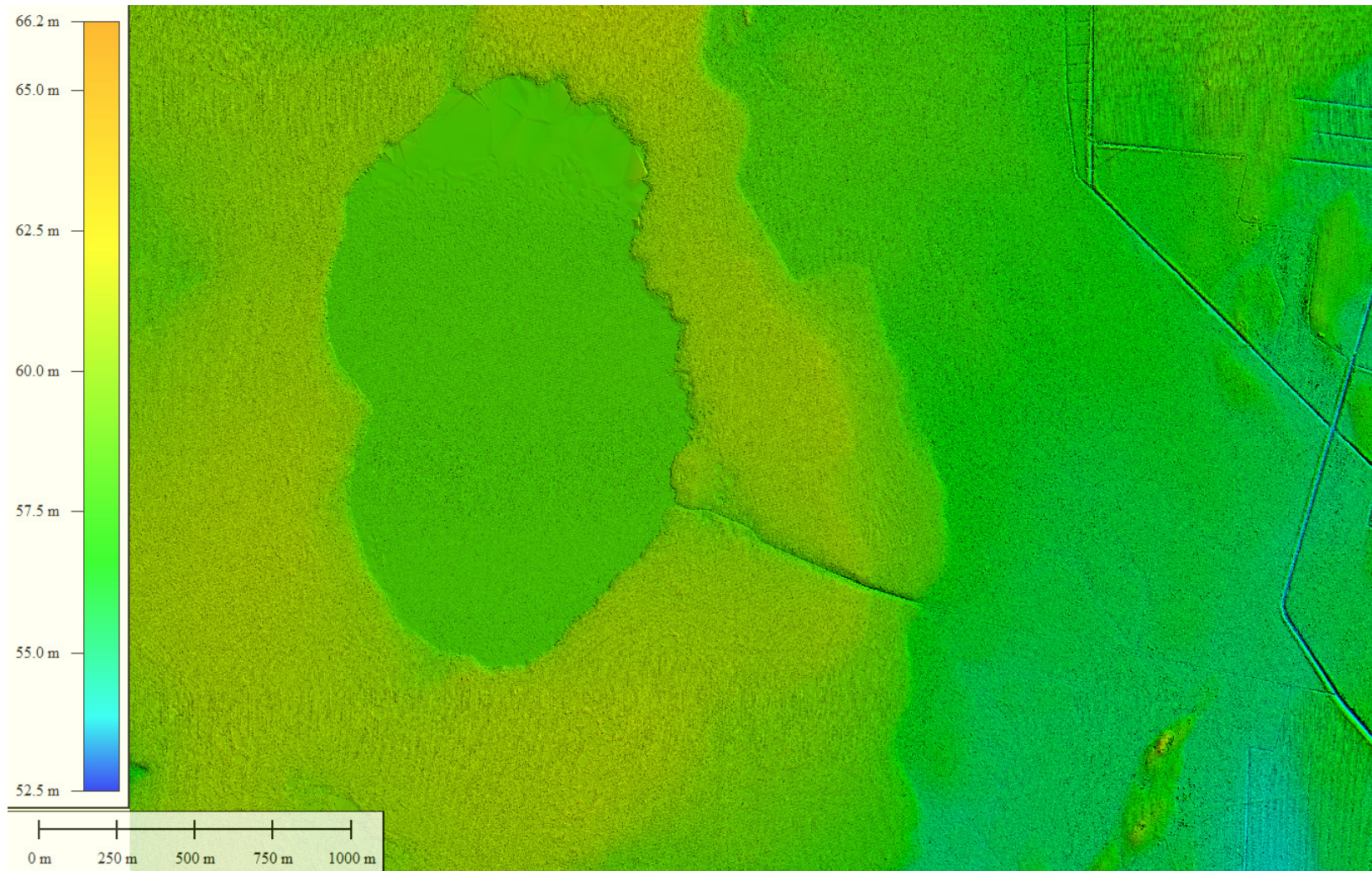
DIGITAL ELEVATION MODELS CREATION



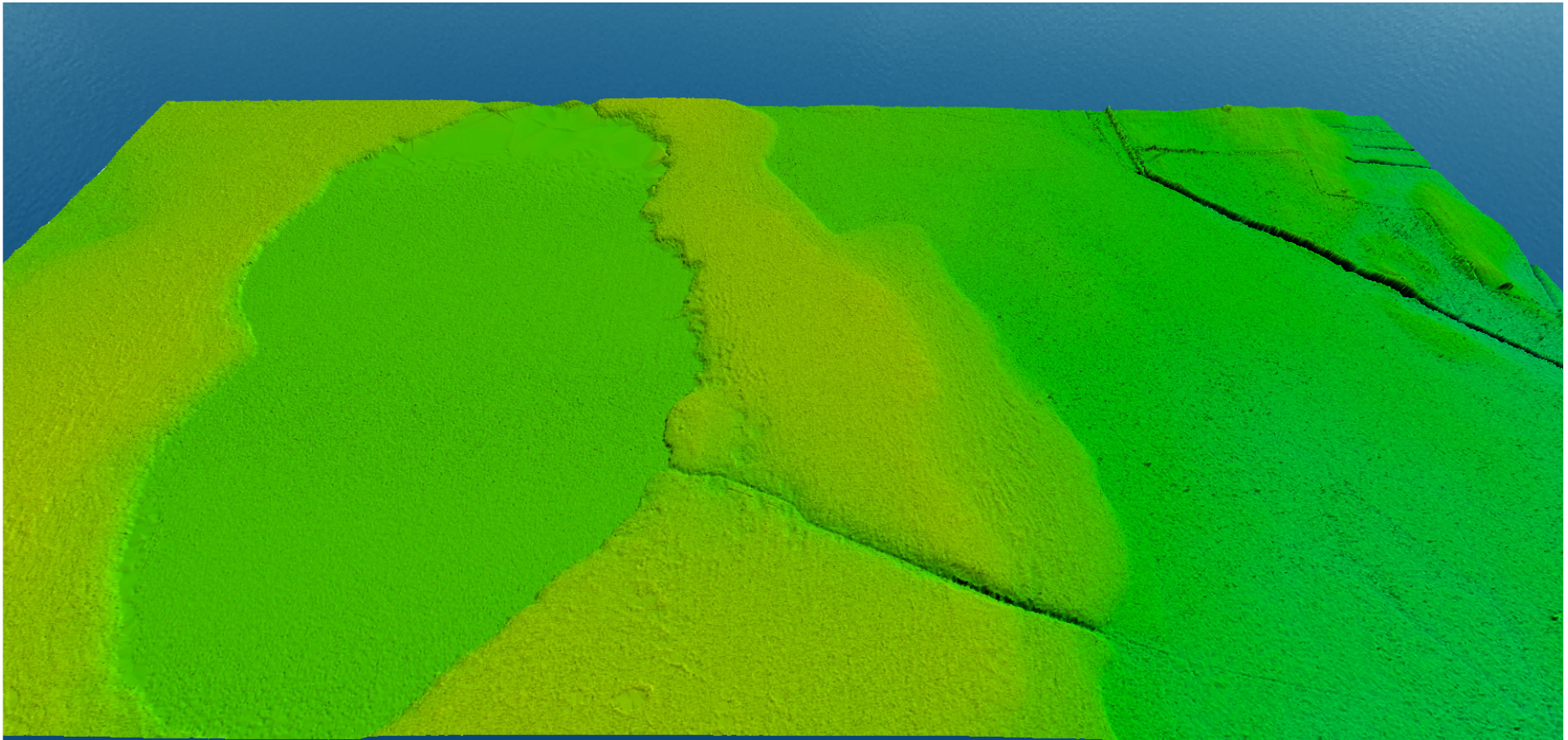
DIGITAL ELEVATION MODELS CREATION



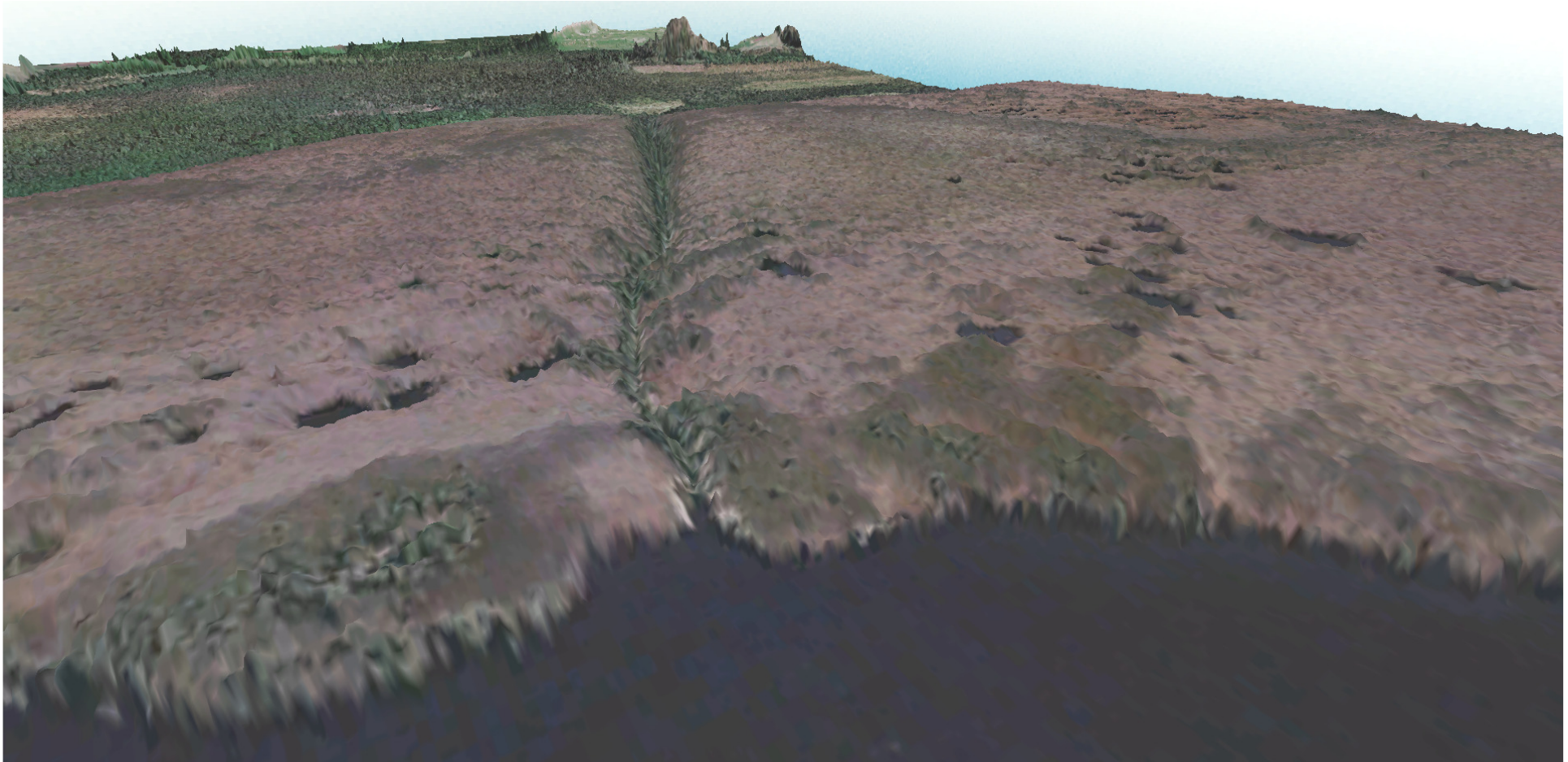
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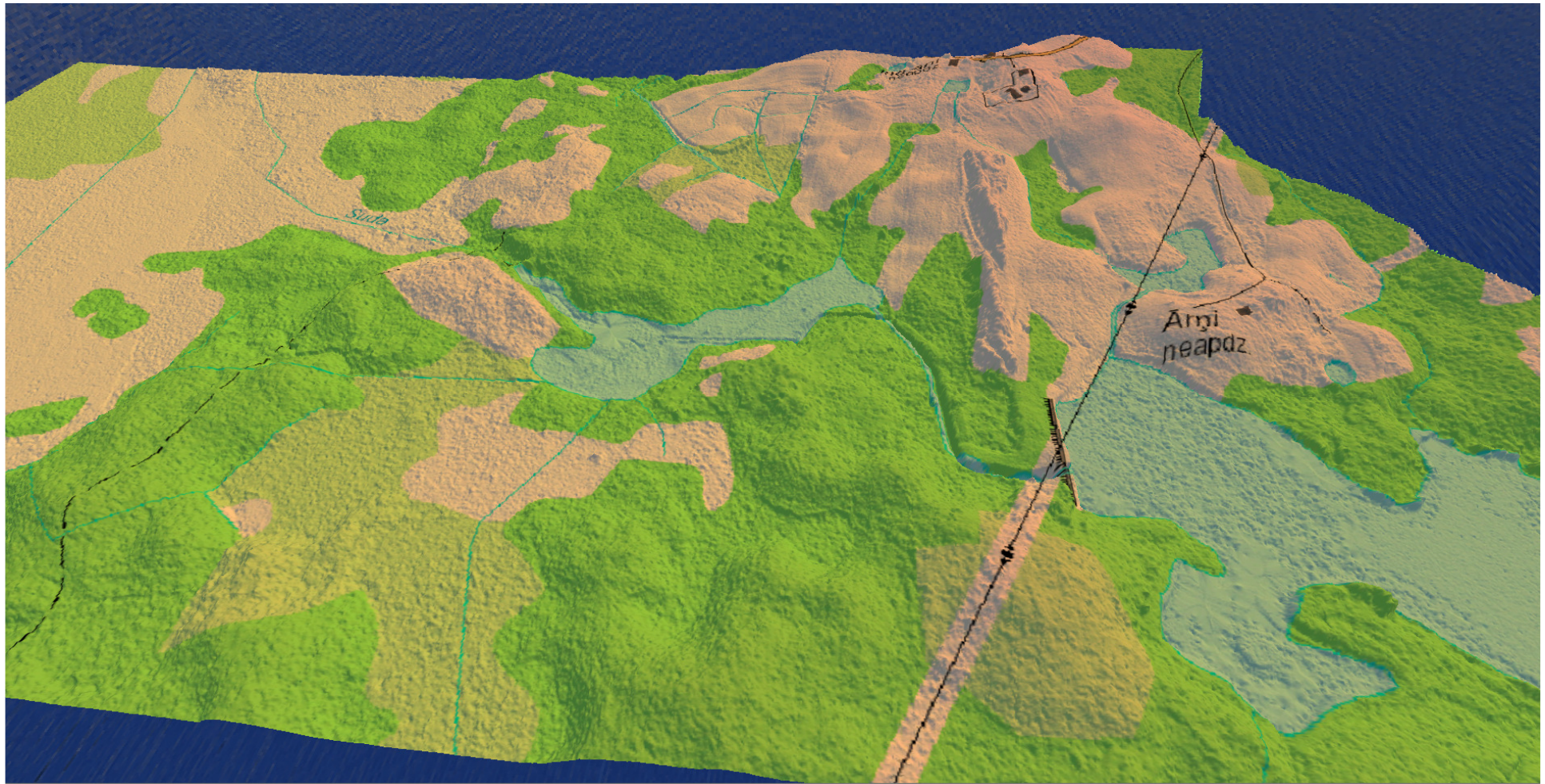
DIGITAL ELEVATION MODELS CREATION



DIGITAL ELEVATION MODELS CREATION



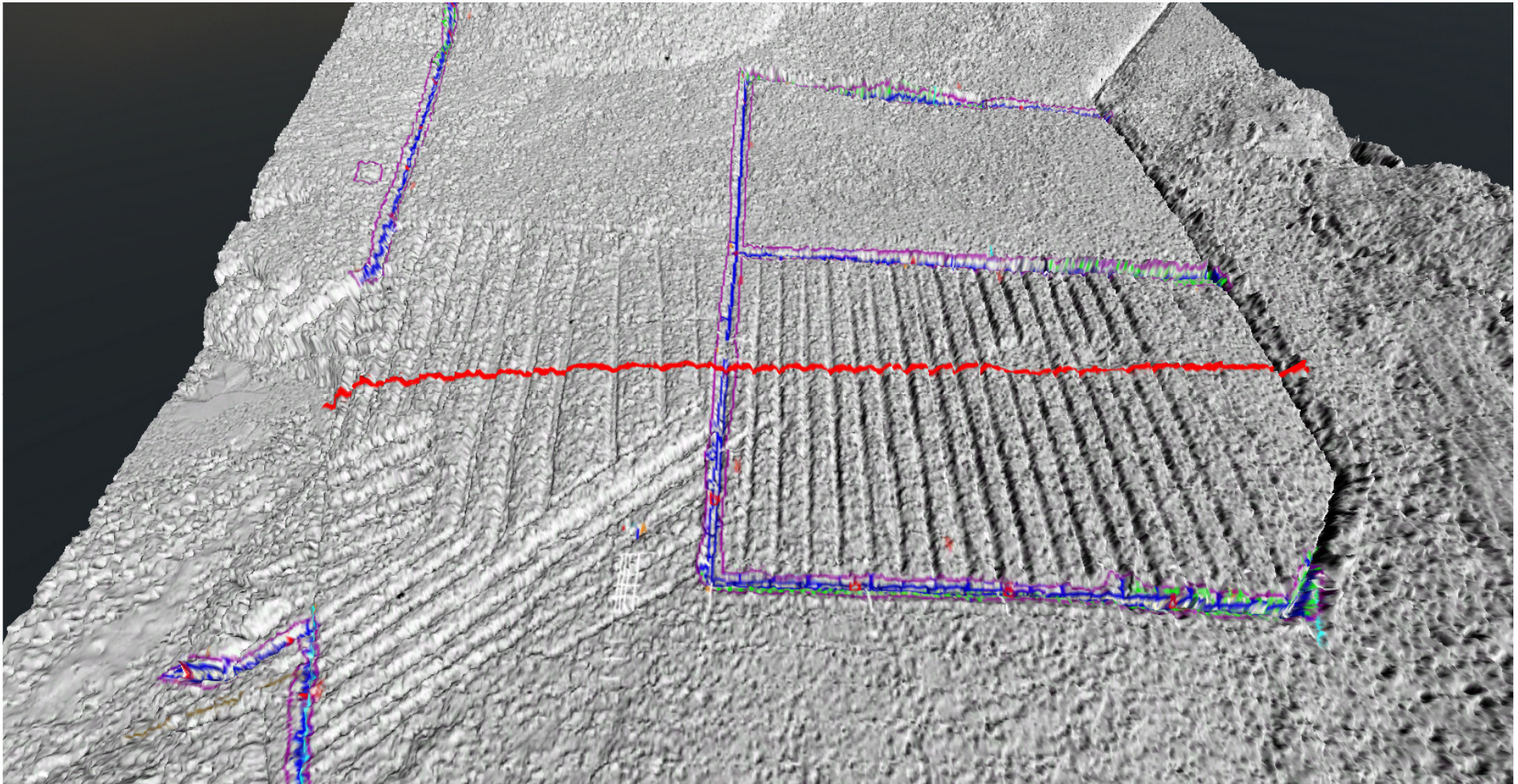
DIGITAL ELEVATION MODELS EXAMPLES FROM PROJECT SITES



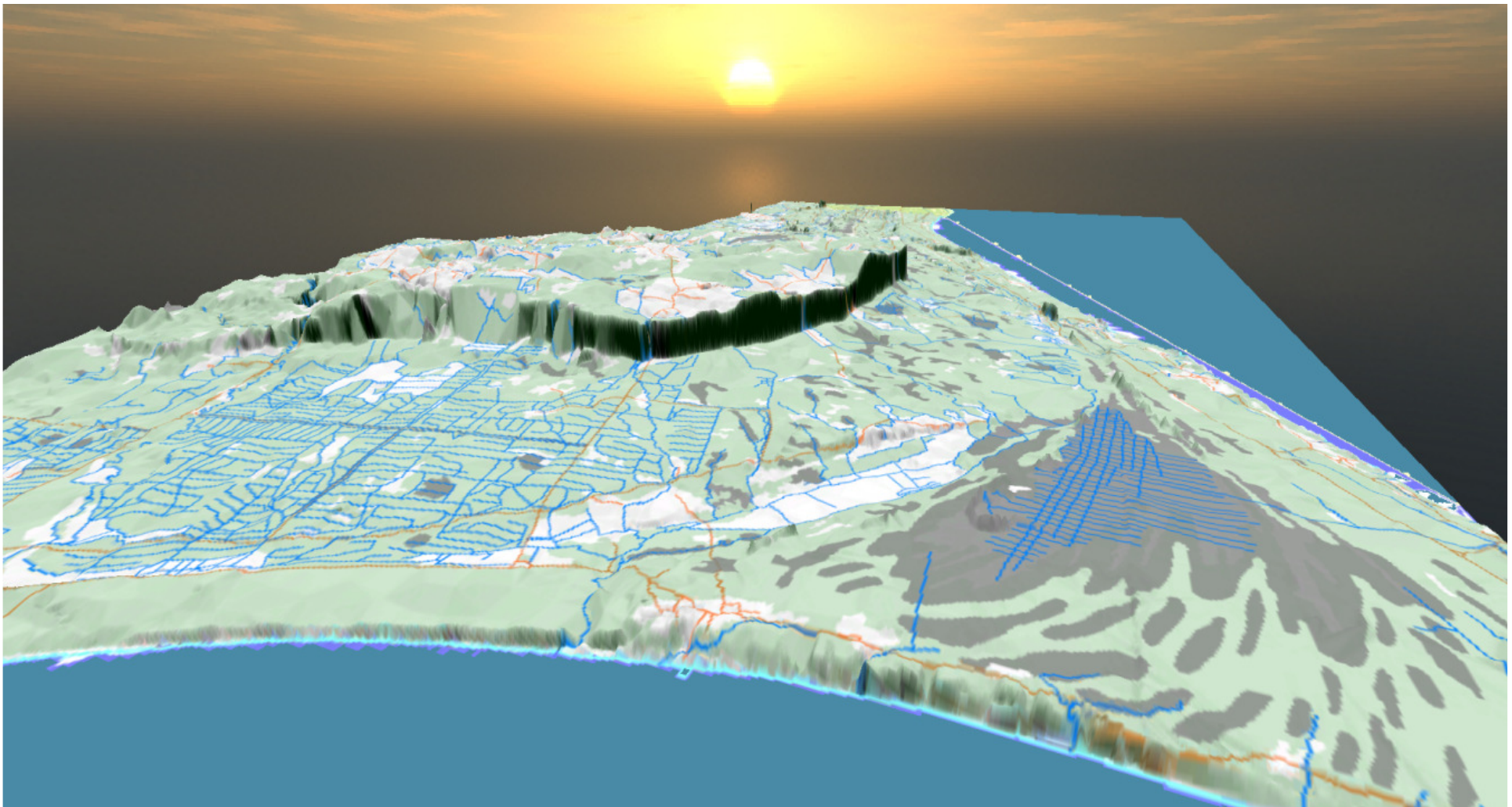
DIGITAL ELEVATION MODELS EXAMPLES FROM PROJECT SITES



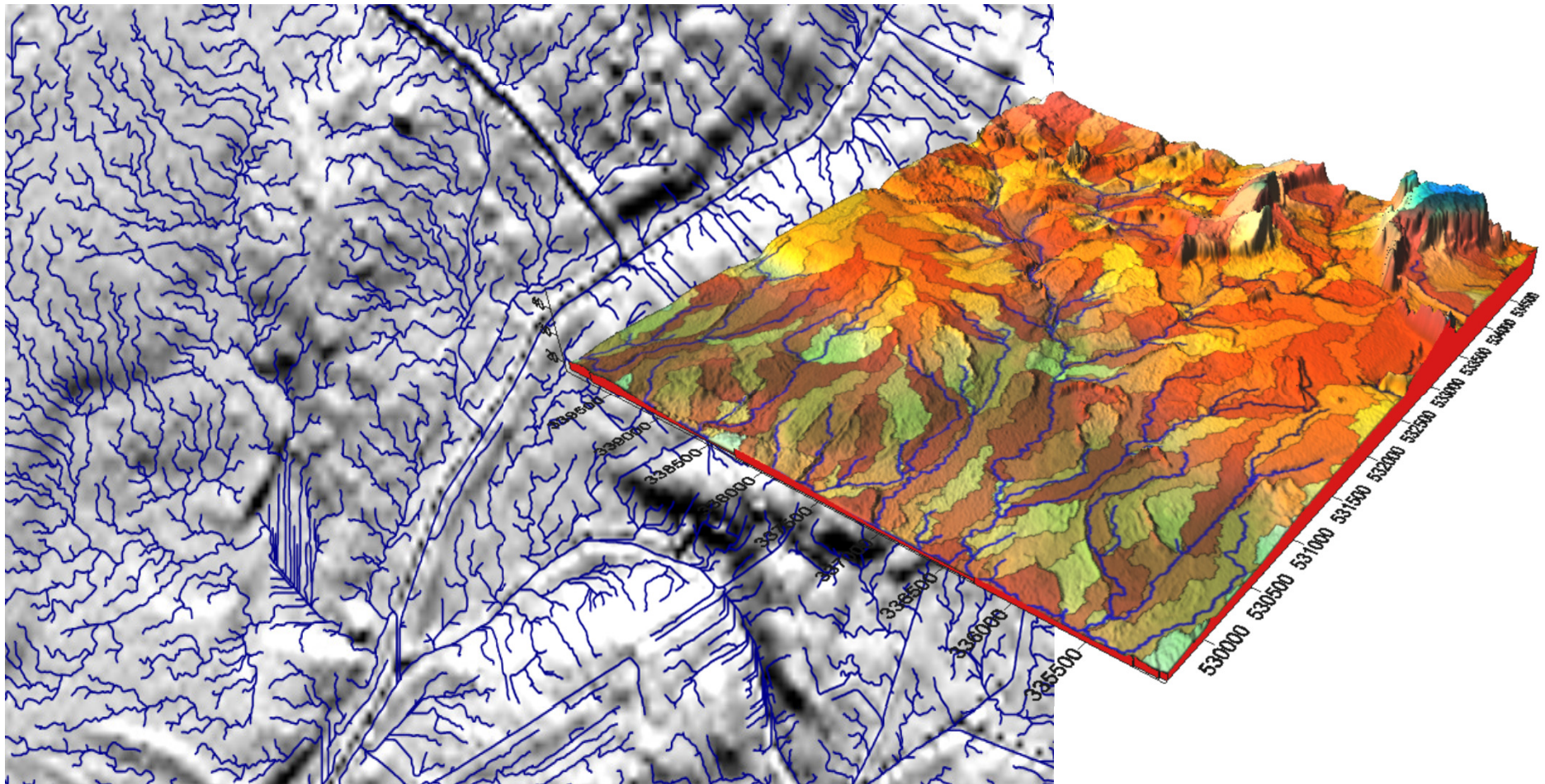
DIGITAL ELEVATION MODELS EXAMPLES FROM PROJECT SITES



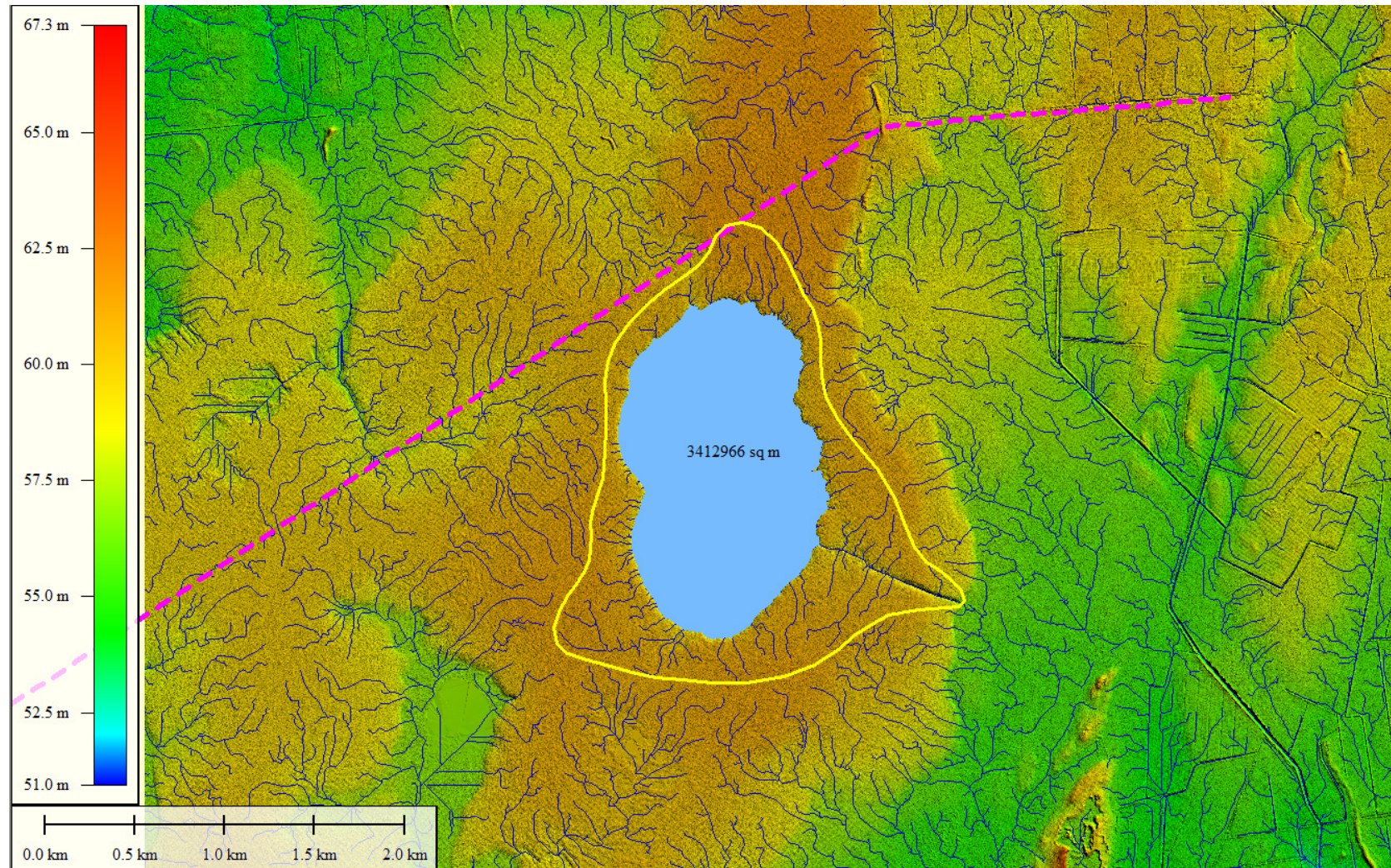
DIGITAL ELEVATION MODELS EXAMPLES FROM PROJECT SITES



DIGITAL ELEVATION MODELS DATA INTERPRETATION



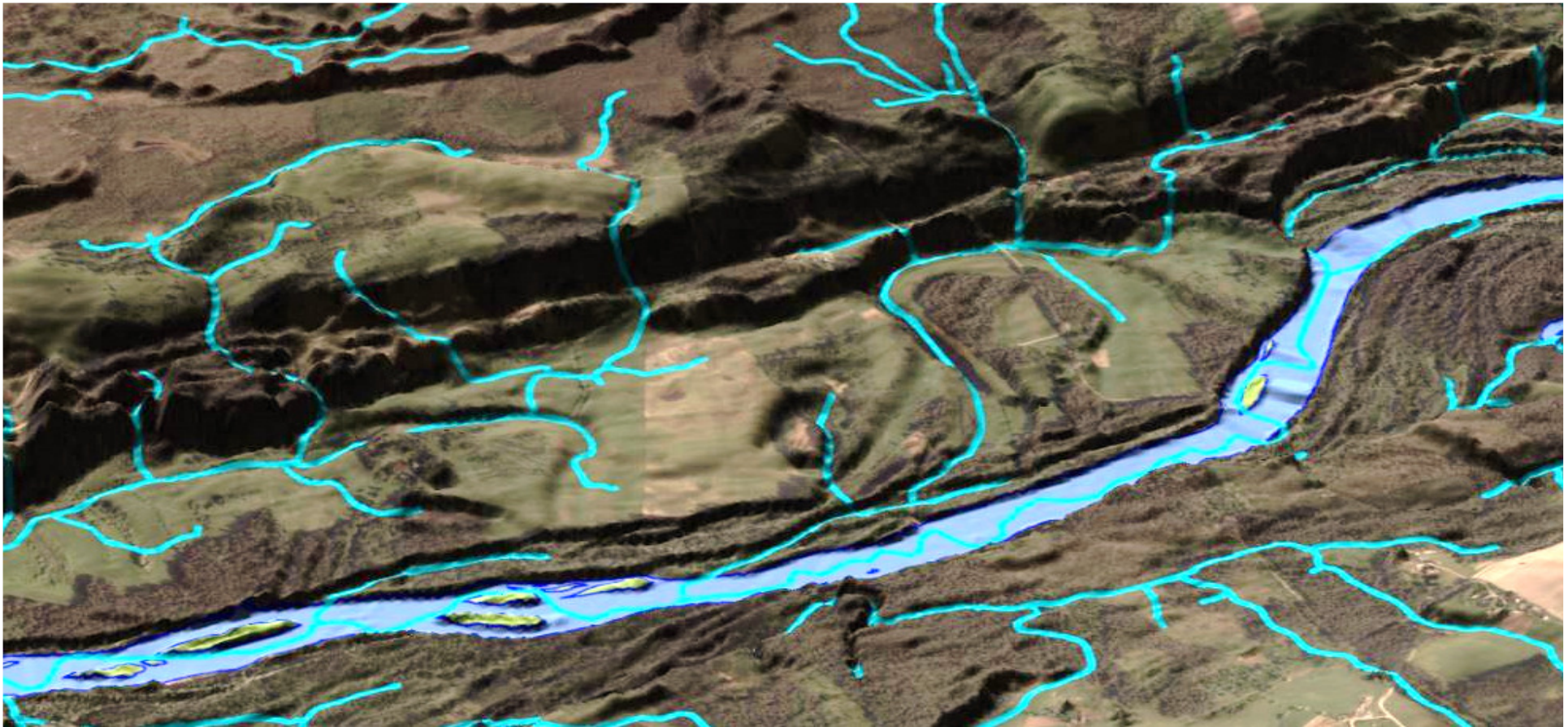
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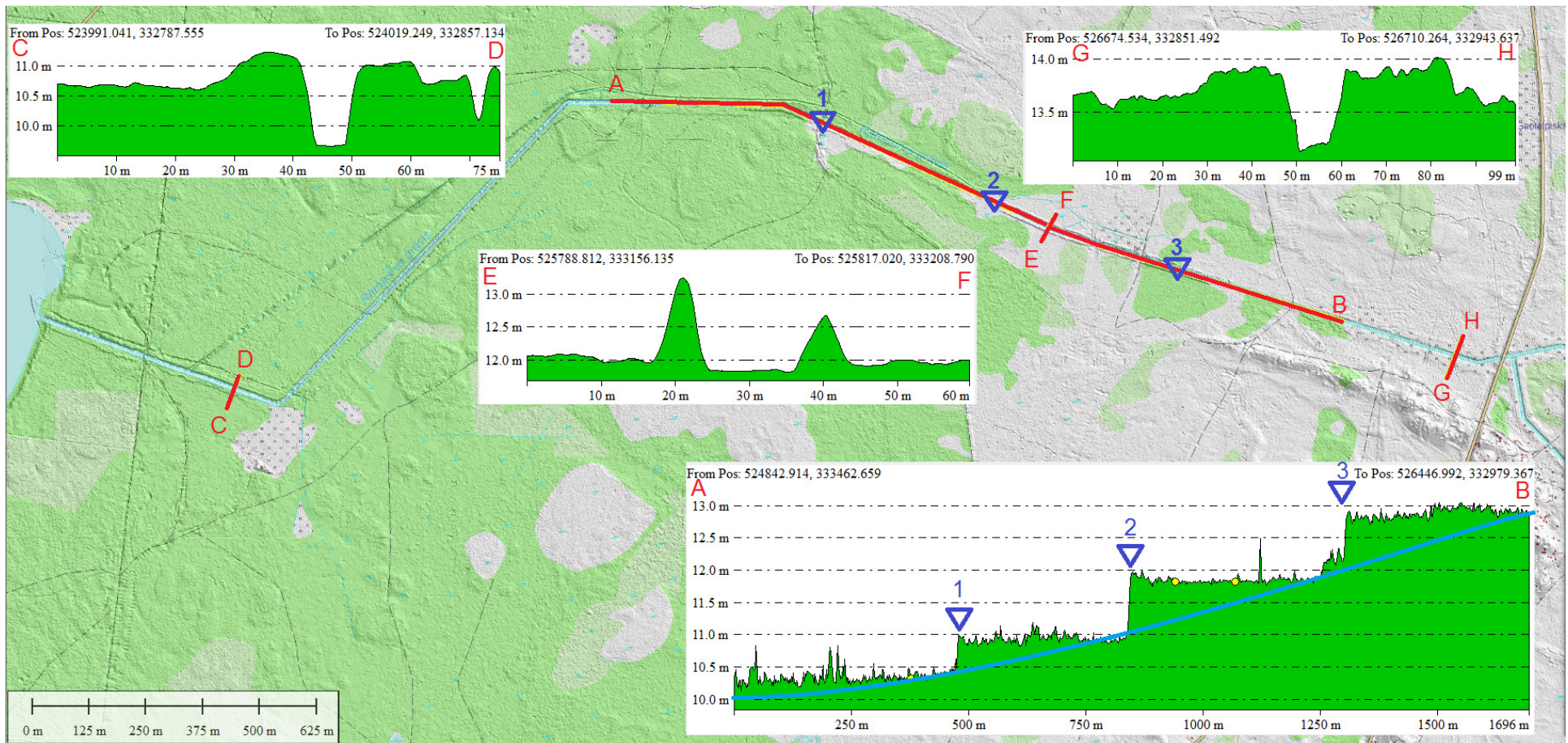
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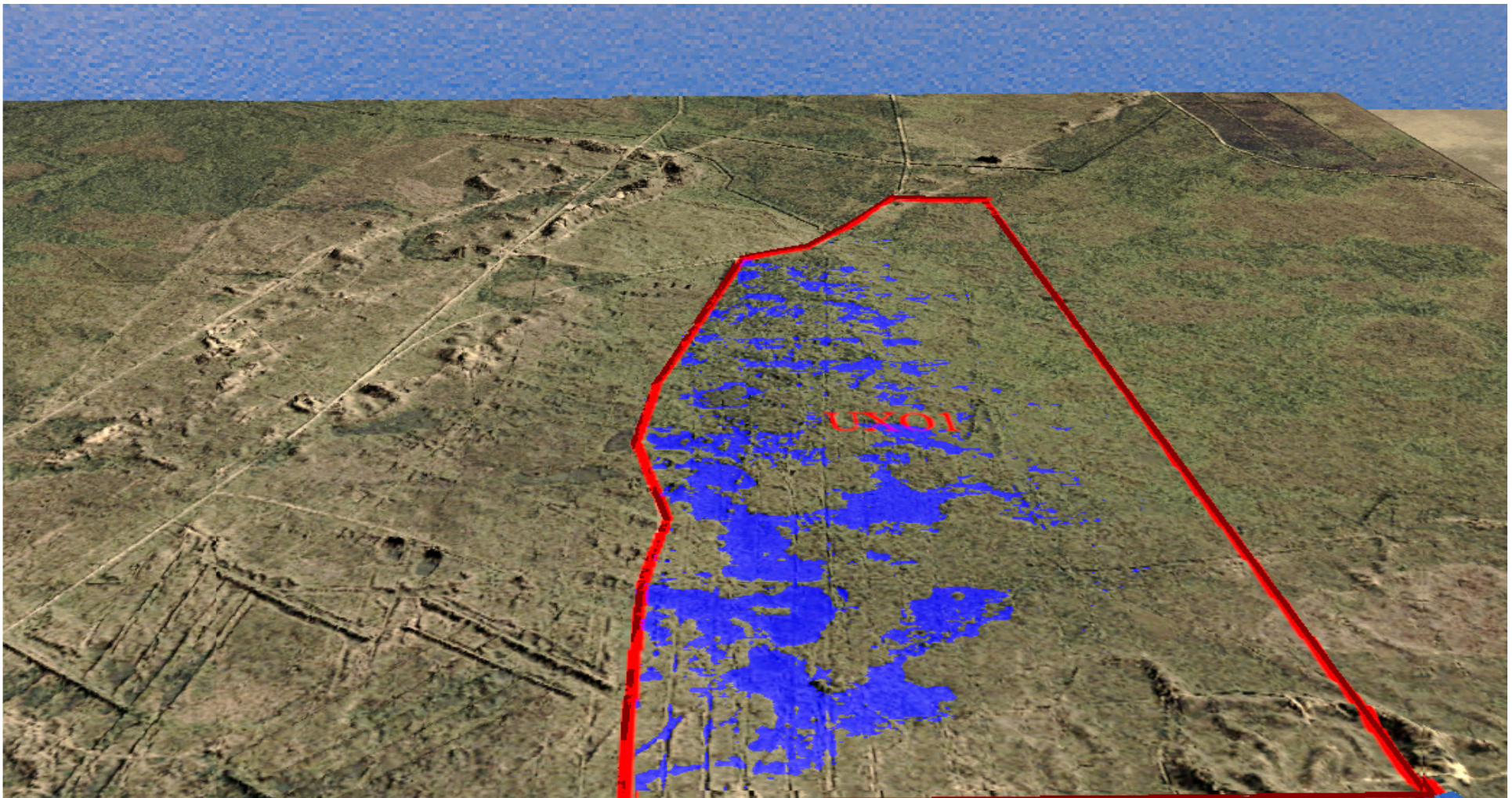
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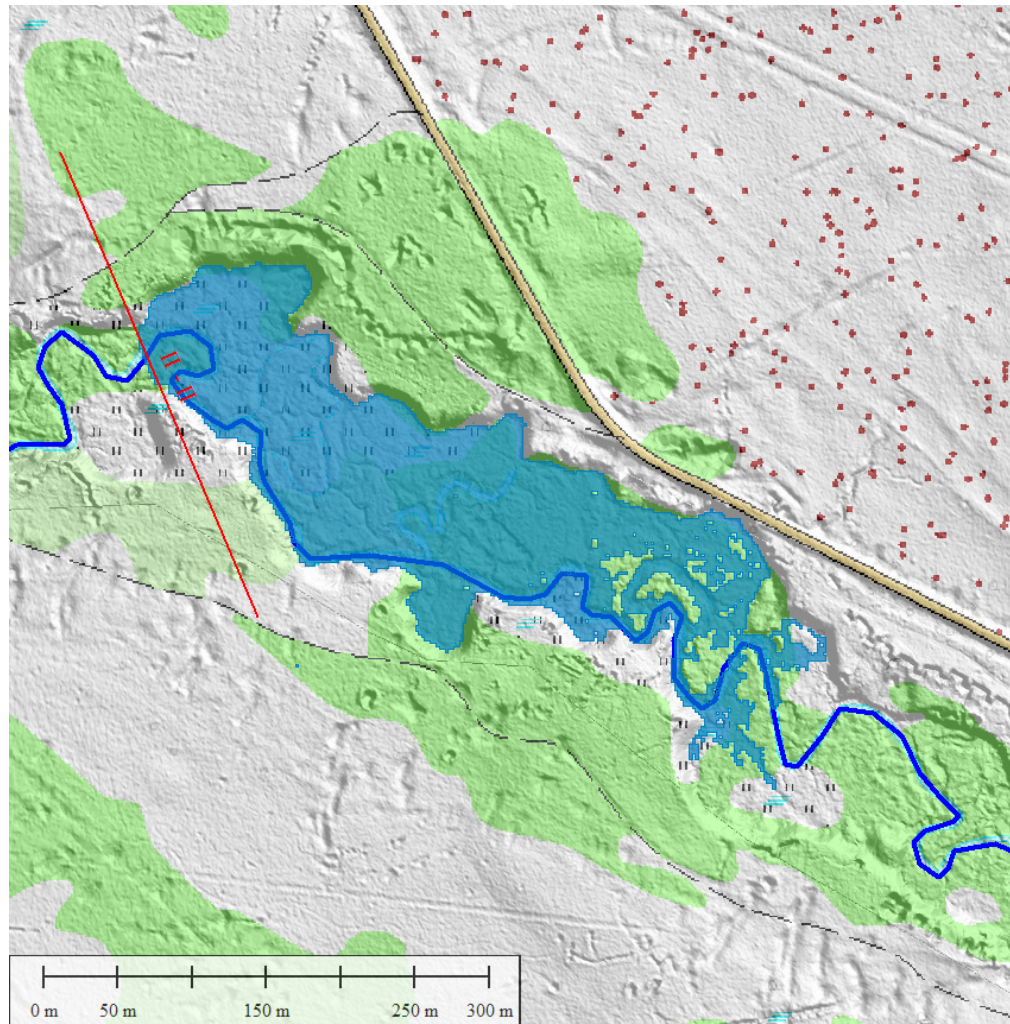
DIGITAL ELEVATION MODELS DATA INTERPRETATION



DIGITAL ELEVATION MODELS DATA INTERPRETATION



DIGITAL ELEVATION MODELS DATA INTERPRETATION





THANK YOU FOR ATTENTION



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WETLANDS

Life+ project

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