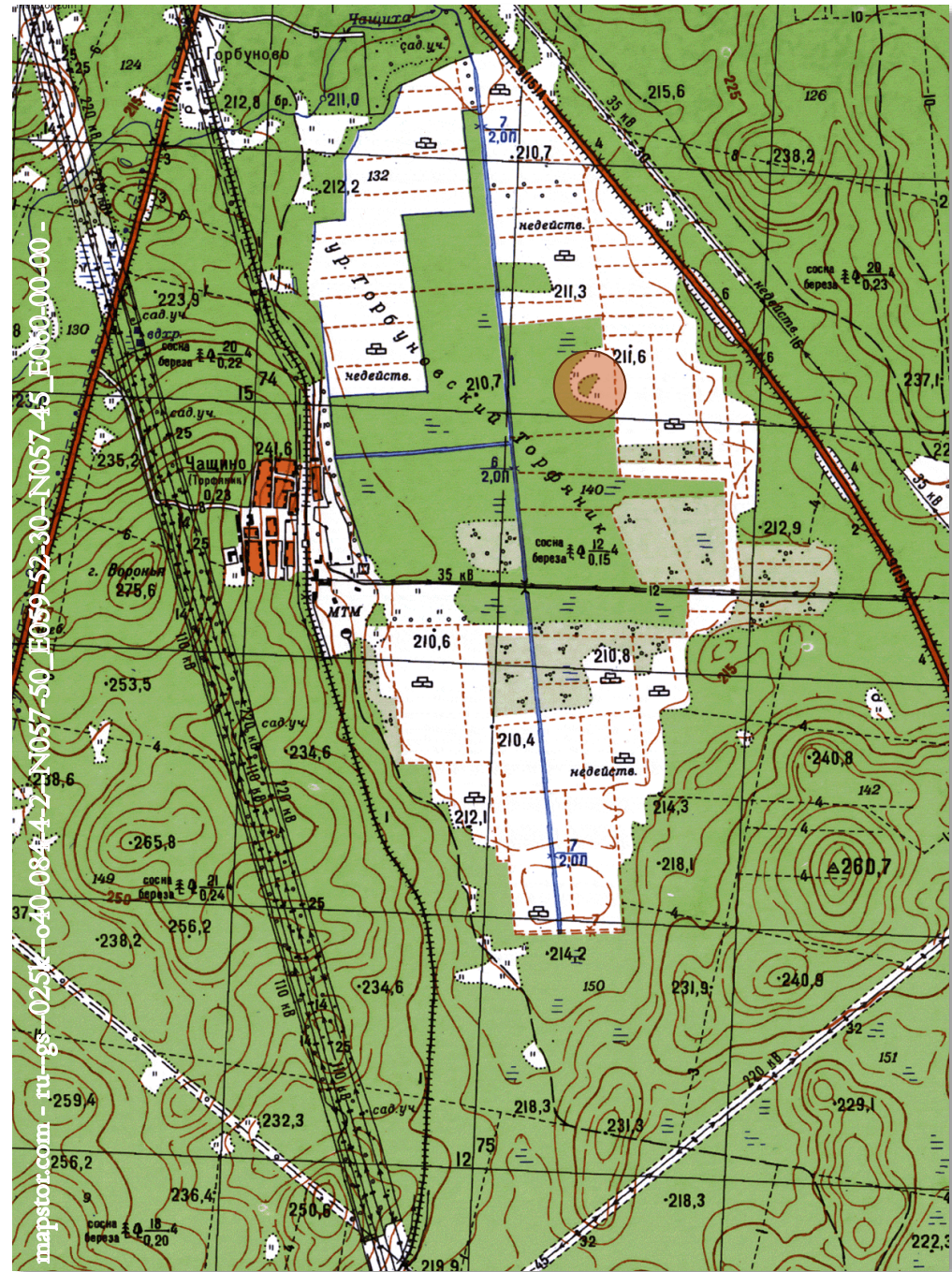
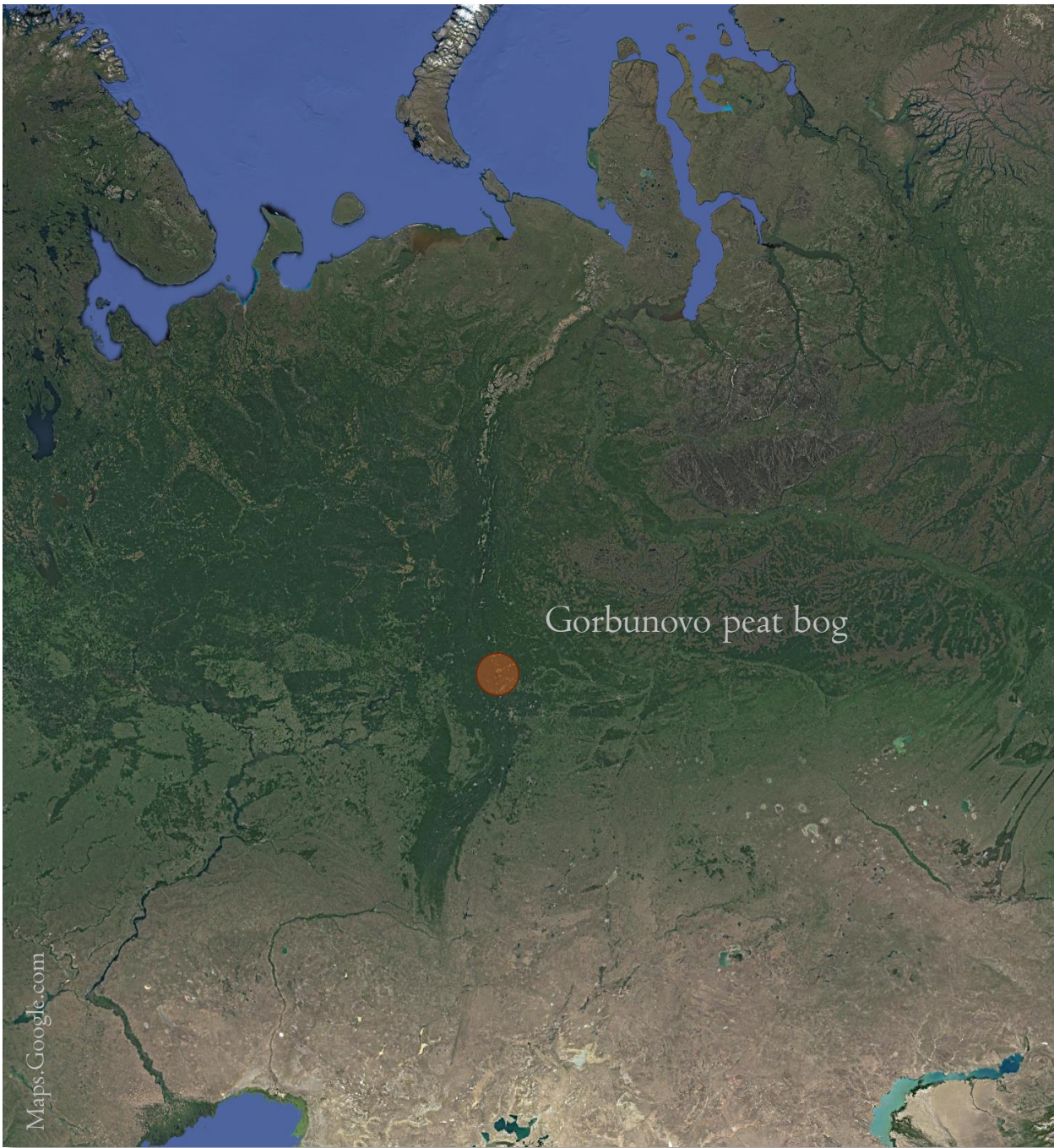


IV Международная Конференция – Москва, 21-23.05.2019 г.

N. M. Chairkina, Sabine Reinhold, Uwe  
Heußner, Alexander Janus, Dirk  
Mariaschk

# DIGITAL DOCUMENTATION STRATEGIES

at the Excavations in Shestoj Razrez -  
Gorbunovo Peat Bog 2017/18





Trench 75 -2017



Excavation Chairkina



Museum Nizny Tagil



Excavation Chairkina



Excavation Chairkina



Museum Nizny Tagil





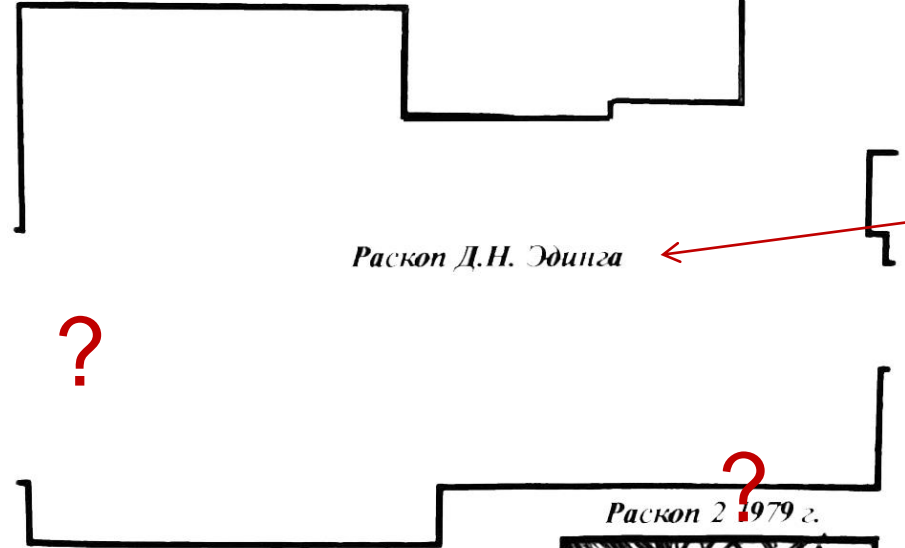
2017/18



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Chairkina 2009



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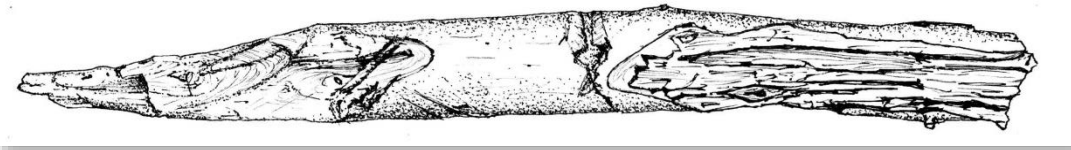
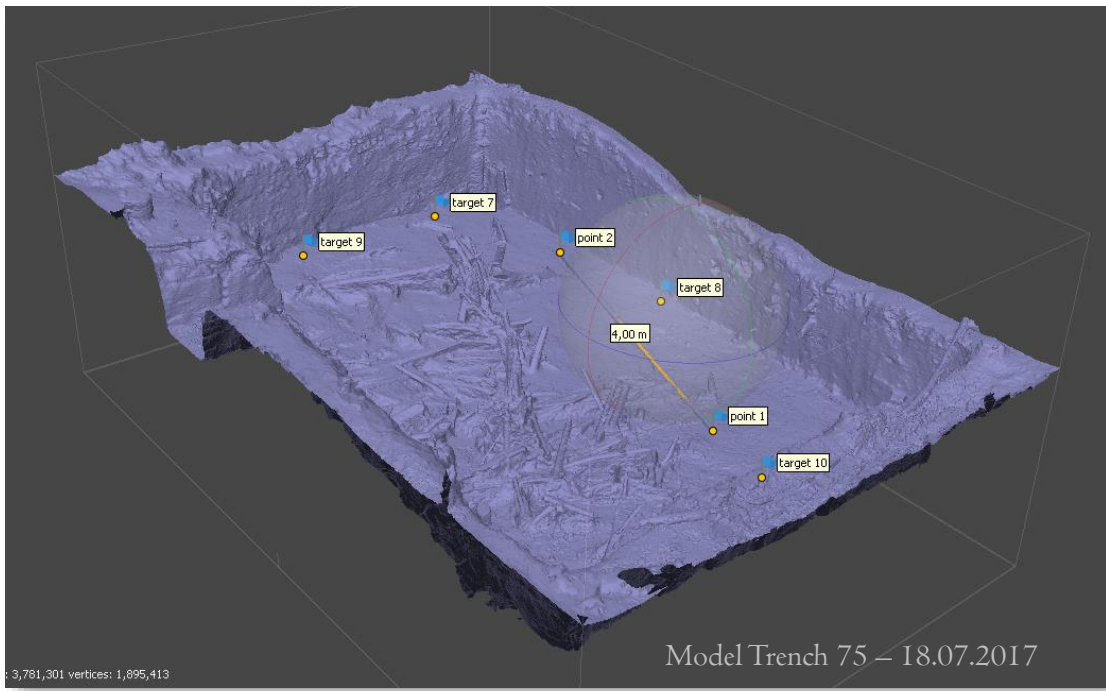


Фрагменты деревянных сооружений исследованных Д.Н. Эдингом 1936

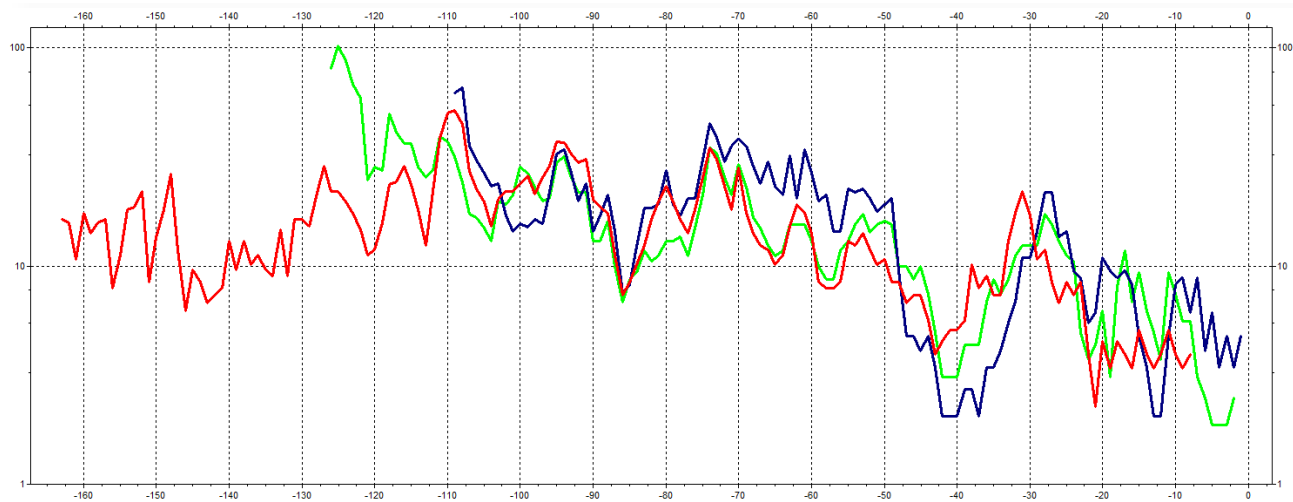


0 1 2 3 4 м

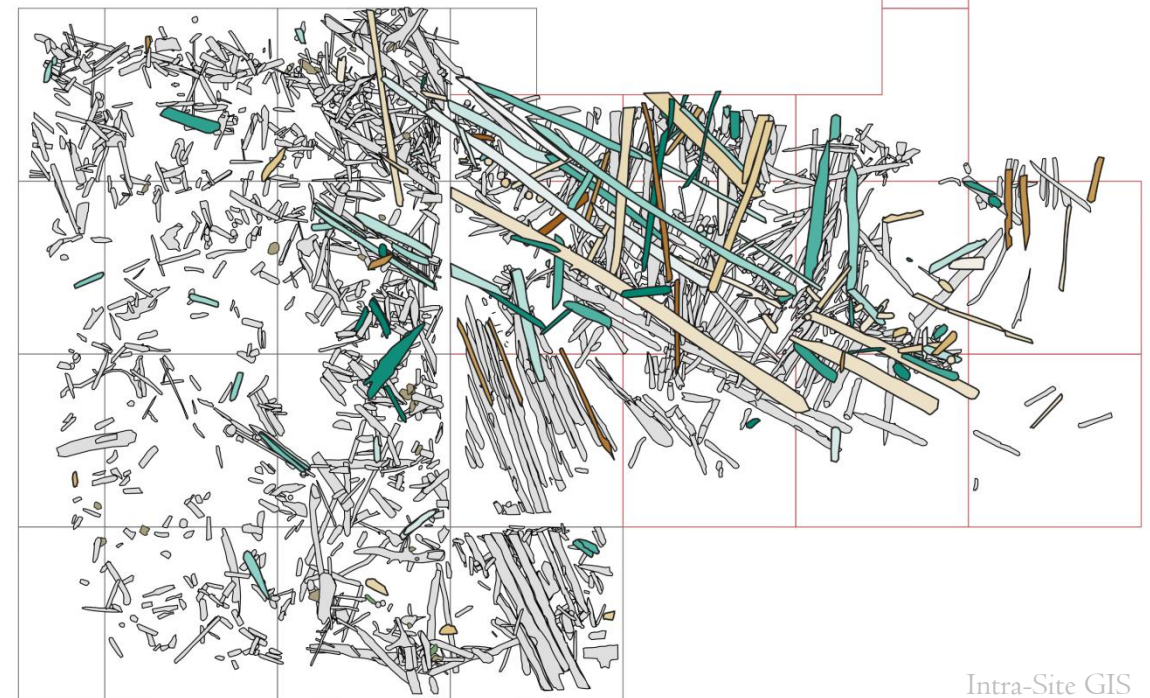
Фрагменты деревянных сооружений, исследованных В.Ф. Старковым



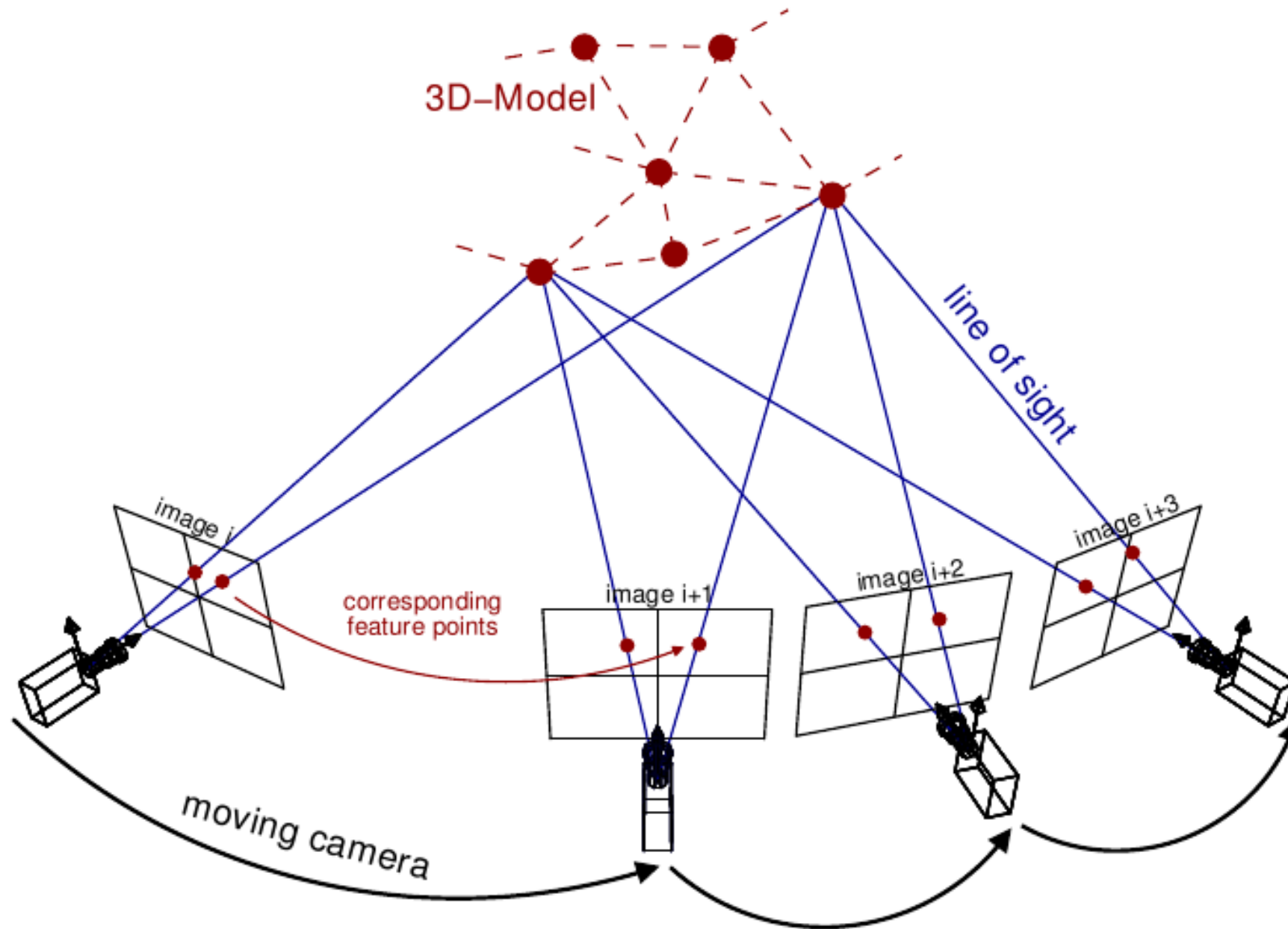
Sample 478 - 2017



Dendrochronological Grow Curve



Intra-Site GIS





for a good comparability of a set of photos:

- same aperture
- same shutter speed
- same ISO value
- same focal length (in doubt, always 35mm)
- stabilized camera if possible
- no direct sunlight
- avoid reflections
- keep 70% (+) of overlapping area
- etc.





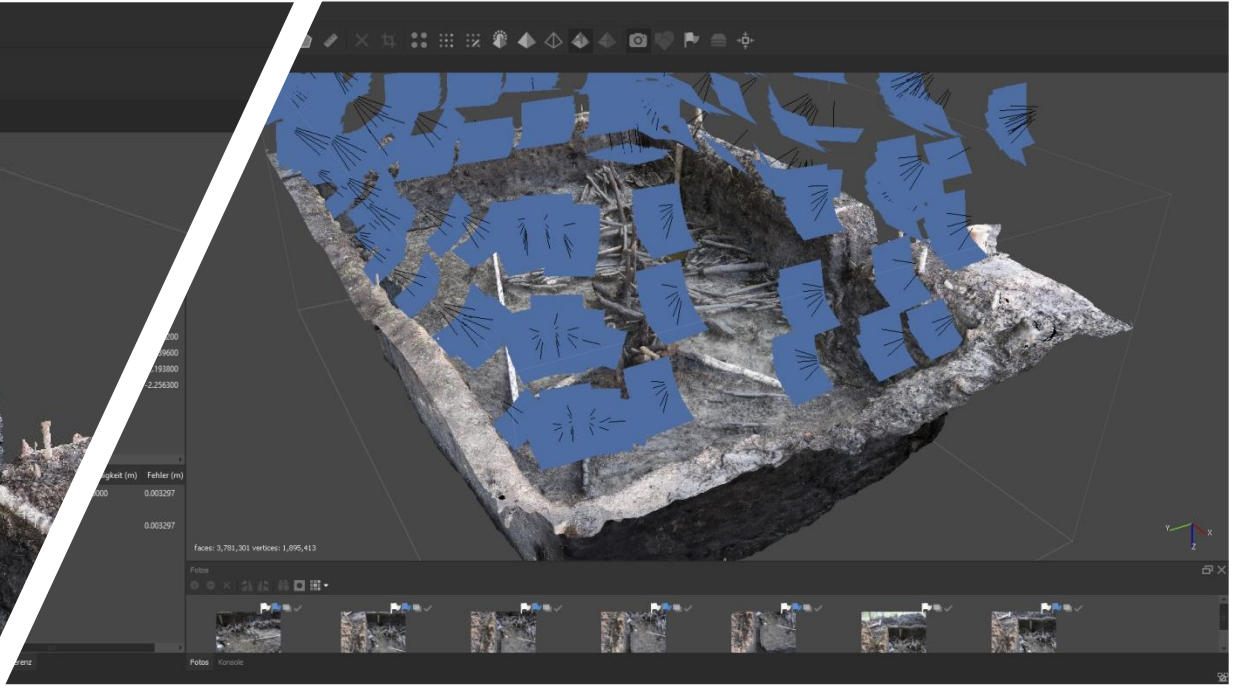
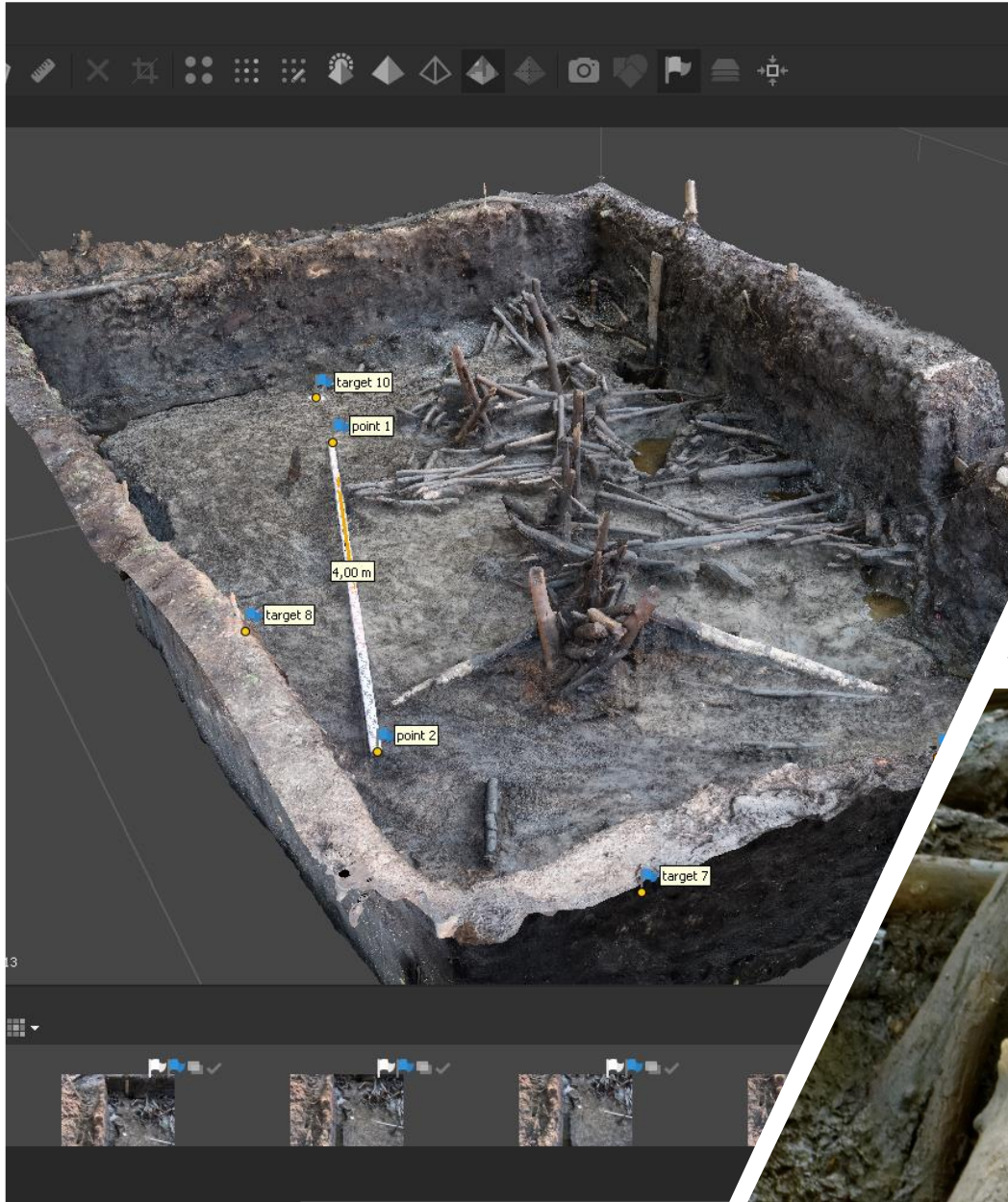
SfM-Equipment





different documentation units of Trench 75, July 2017





Alignment with 241,145 points  
Dense point cloud with 56,720,388 points

12.07.2018



18.07.2018



15.07.2018

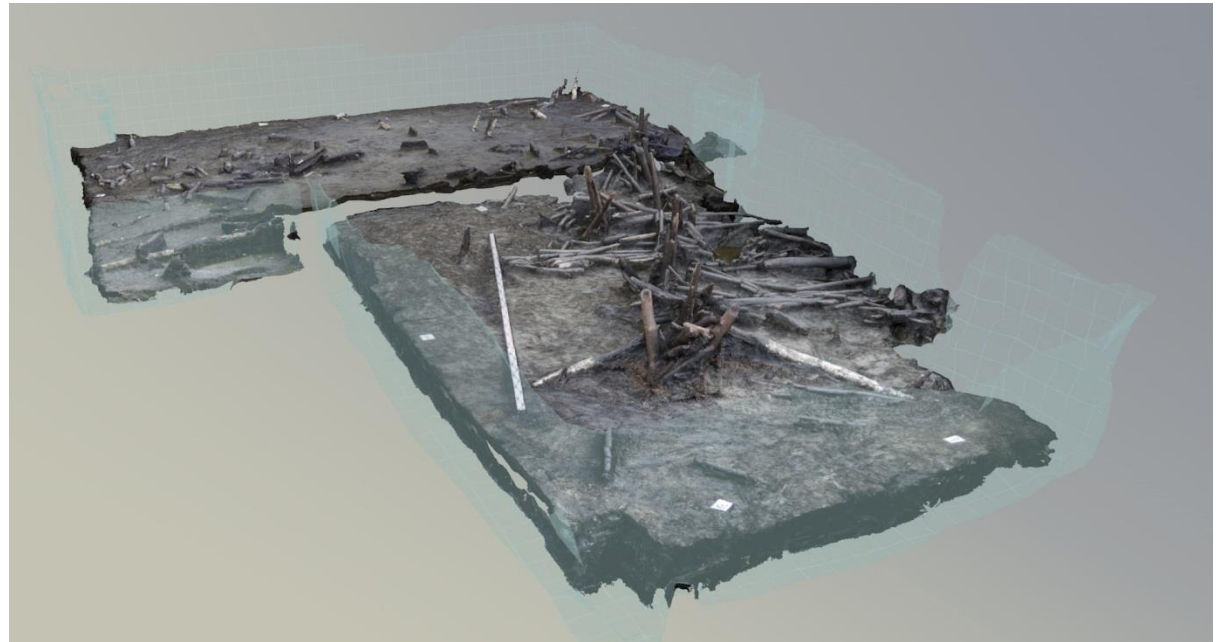
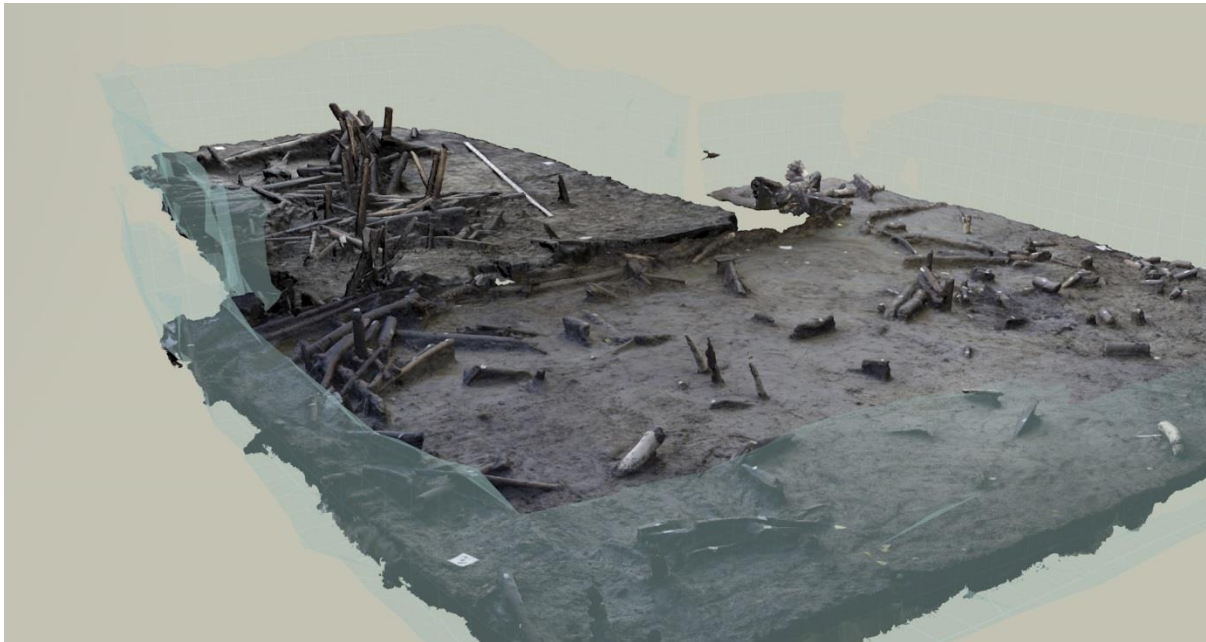
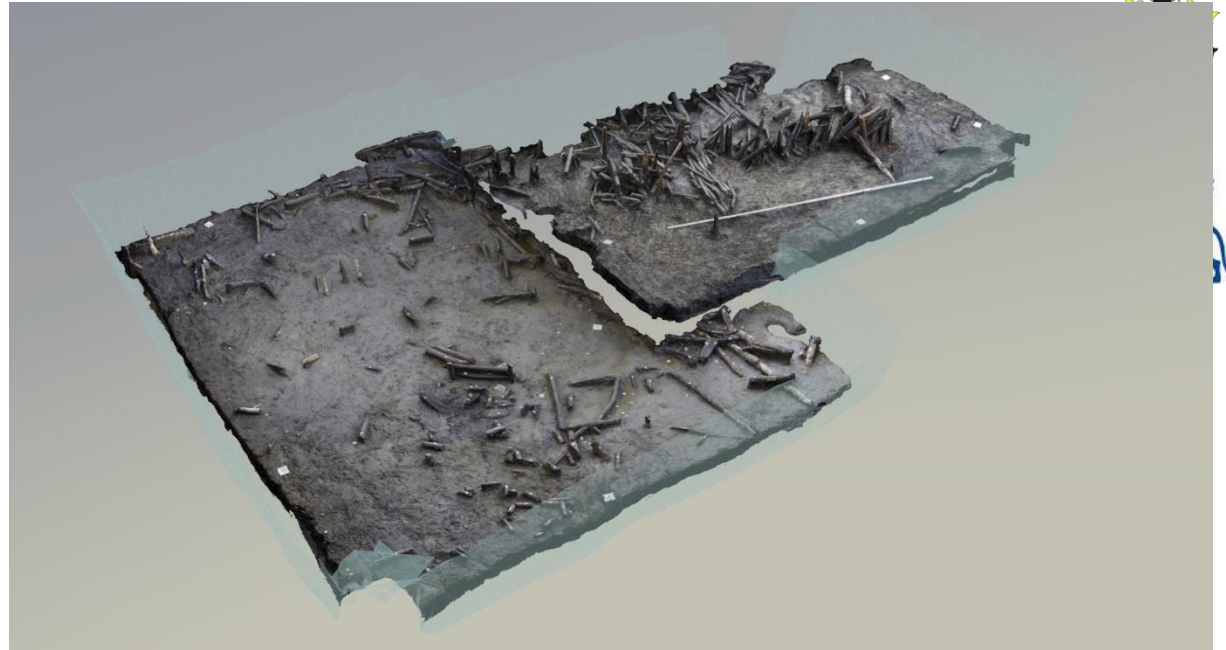


20.07.2018



different documentation units of Trench 76, July 2018

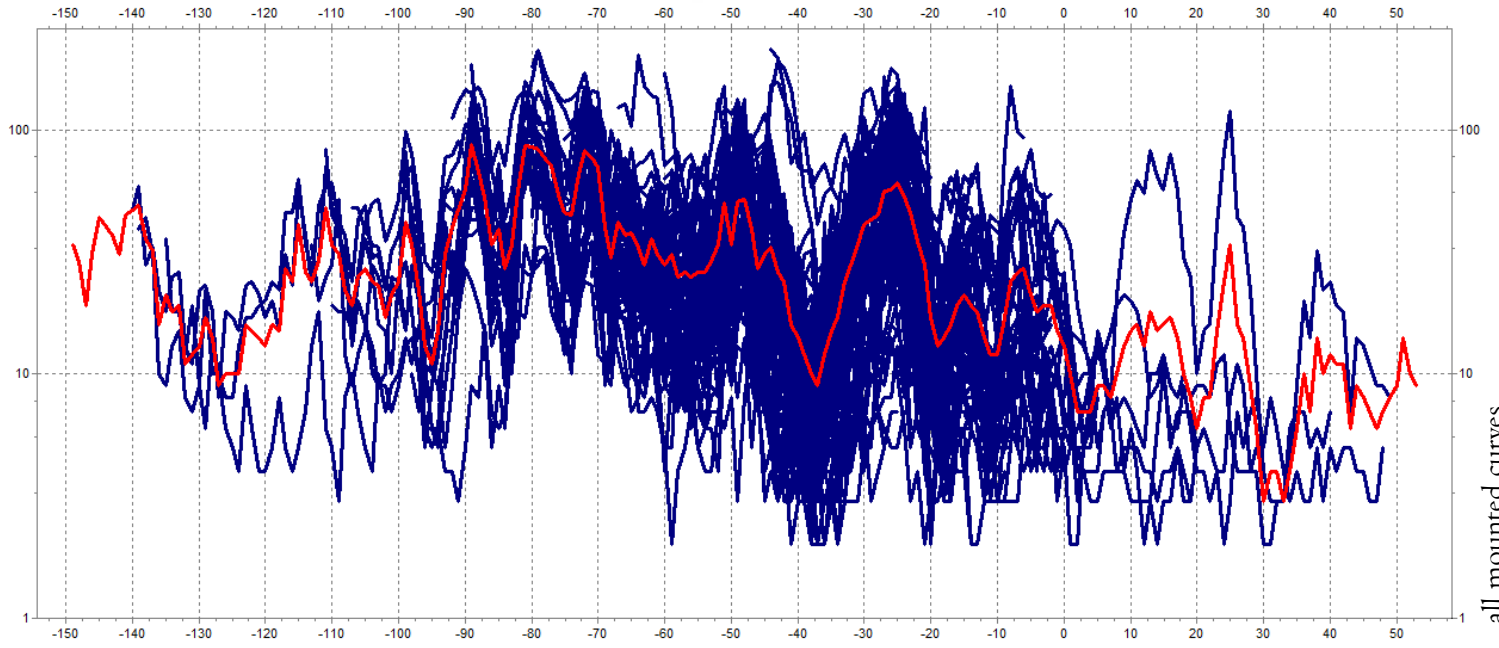




combined arrangement of trenches 75 and 76

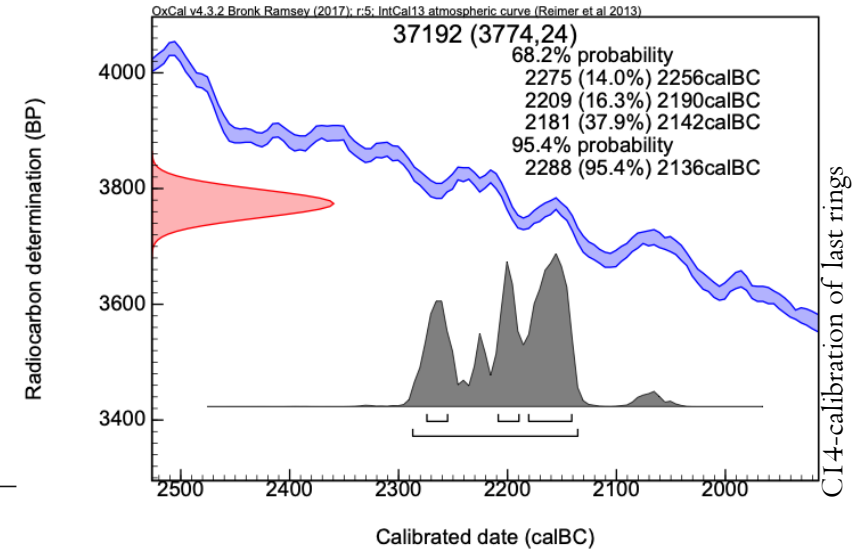
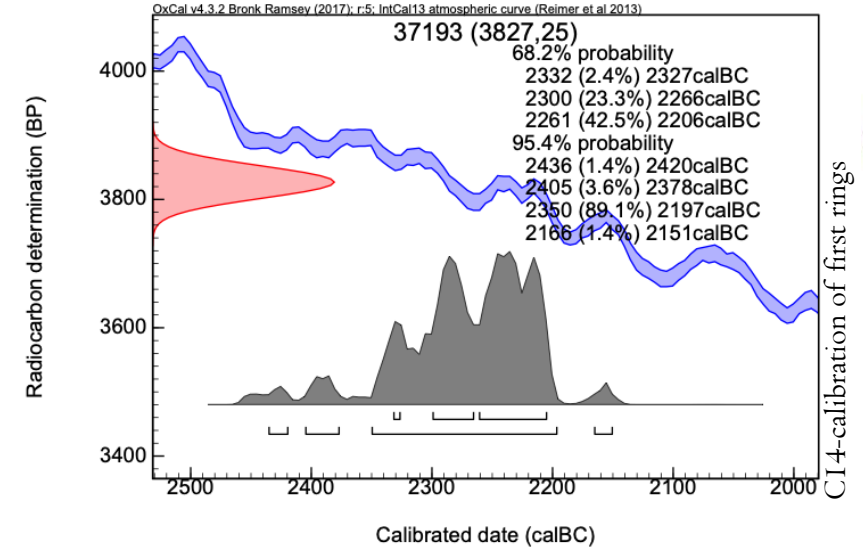
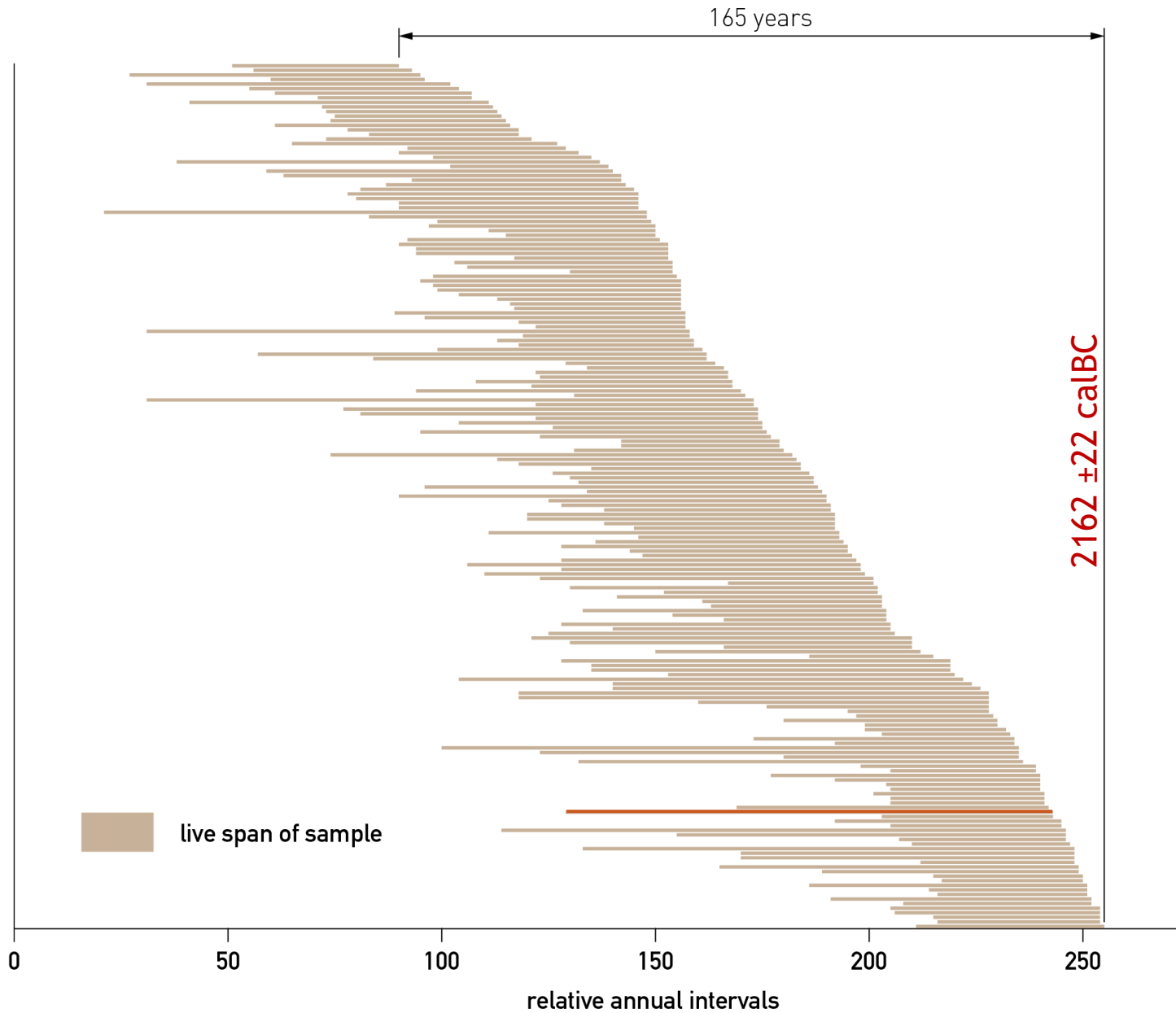


VI Разрез Горбуновского торфяника 2017  
Квадрат: 10,10 Бров  
Высота: -233 -285  
Точка:  
Подробности: Вертикал Кол № 10



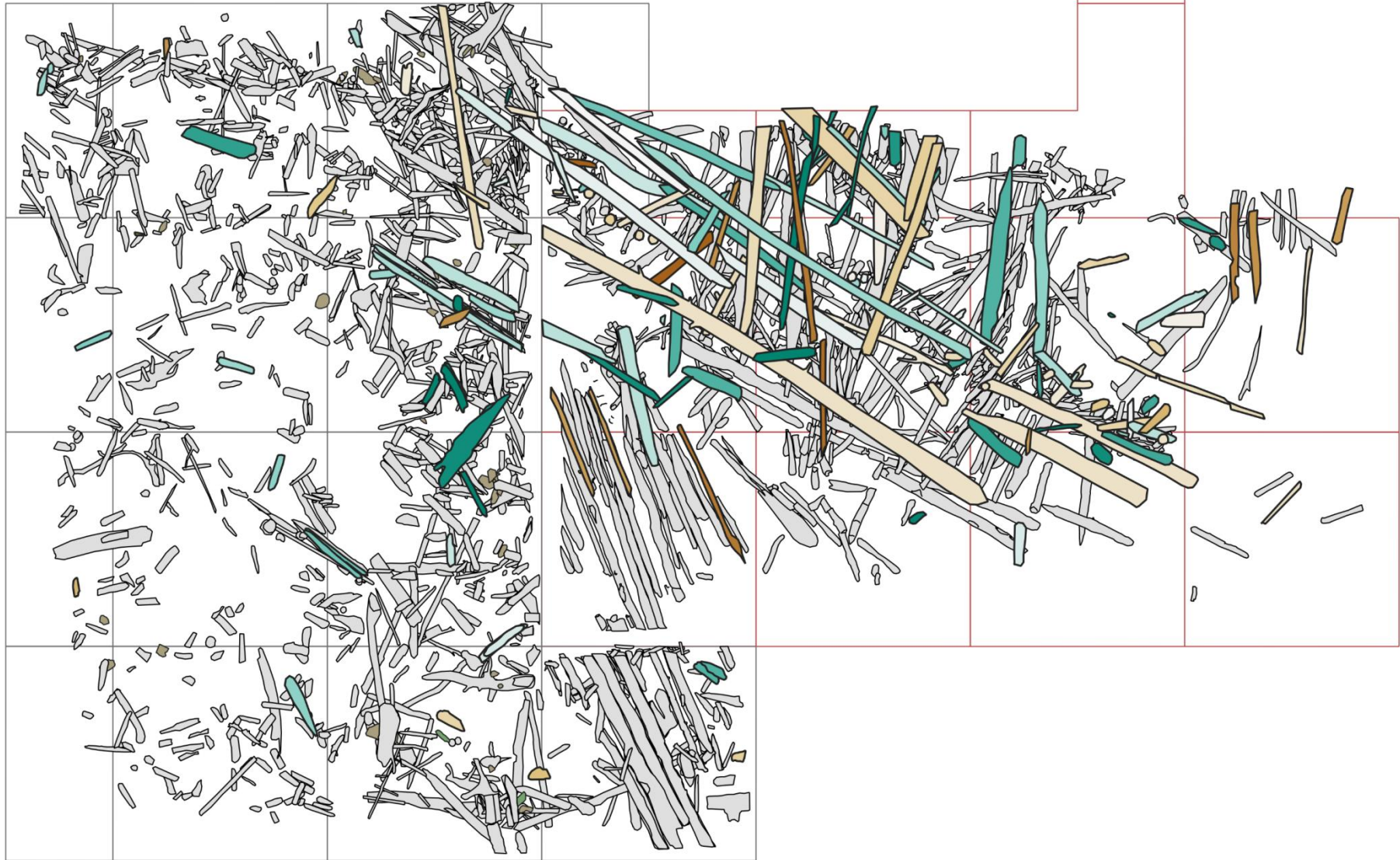
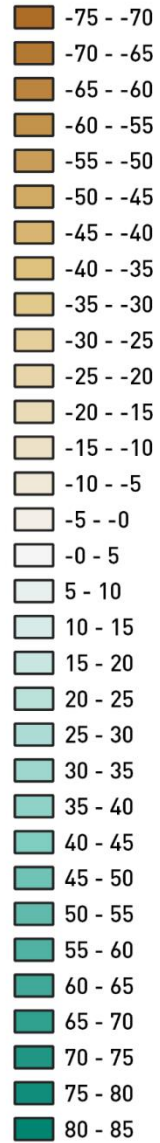
Cleaned vertical post

# Dendrochronological measurement evaluation of the samples from 2017 and 2018



### relative annual intervals

■ -80 - -75 = 2327 - 2323 ±22 calBC





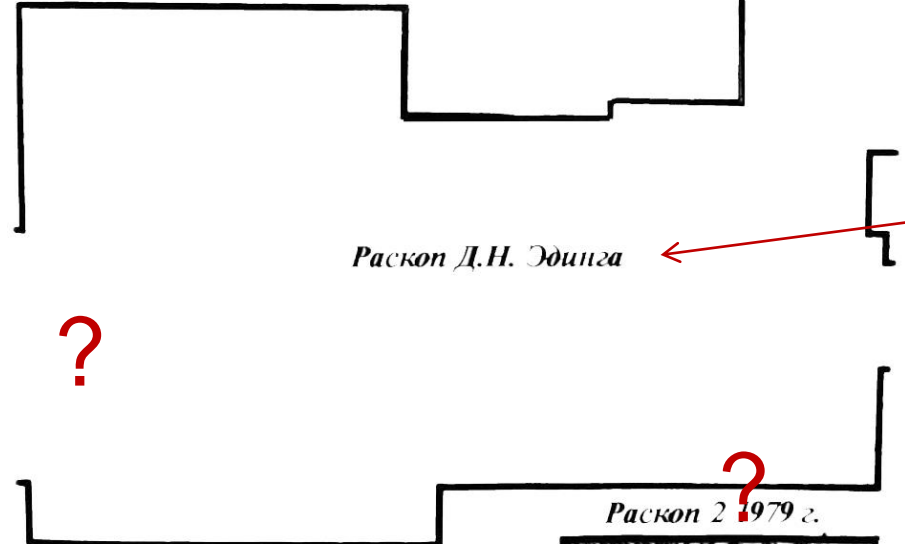
2017/18



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Chairkina 2009



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Фрагменты деревянных сооружений исследованных Д.Н. Эдингом 1936



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Фрагменты деревянных сооружений, исследованных В.Ф. Старковым





Благодарим за внимание