

LIFE Peat Carbon

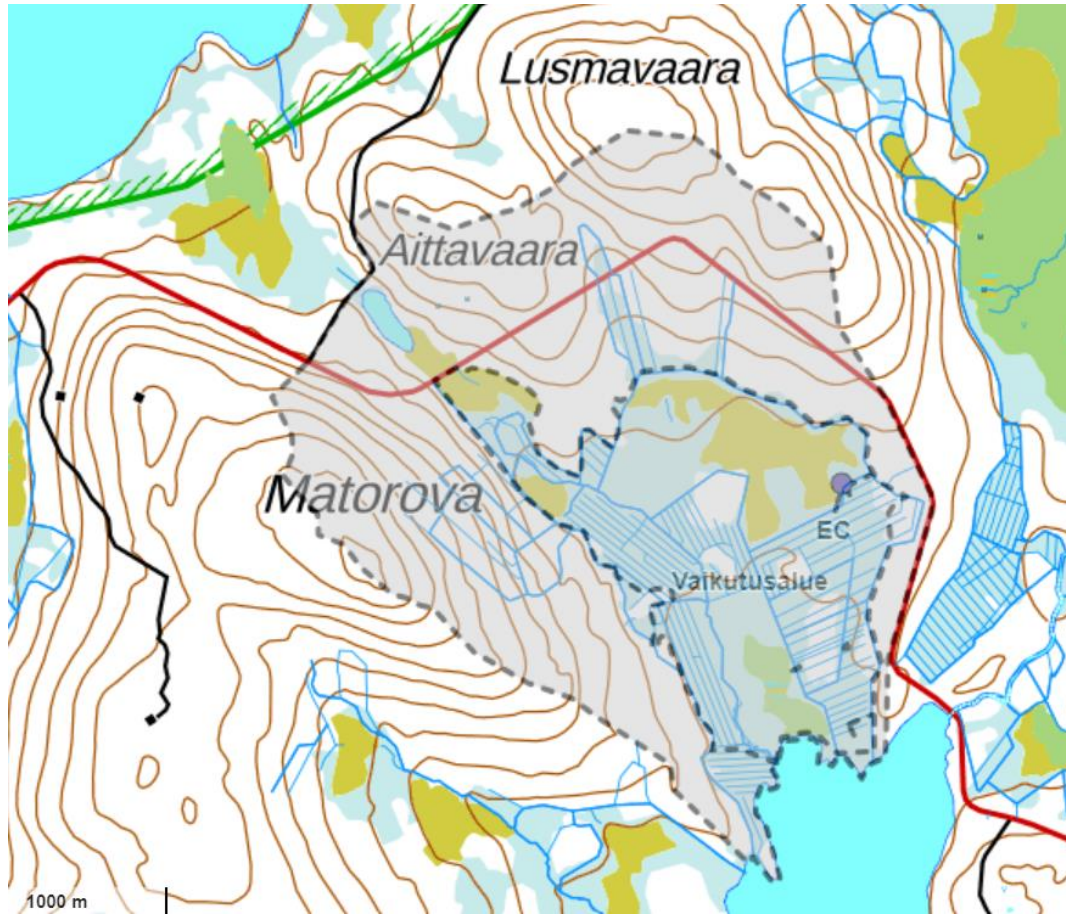
Restoration plan to Pallas

Jenni Hultman (Luke), restoration plan and most
of the slides by Timo Penttilä

4.12.2023



Location and catchment Matorova Mire



Catchment 556 ha

Effective area 183 ha

Some images on the current situation





Bog



Drained bog

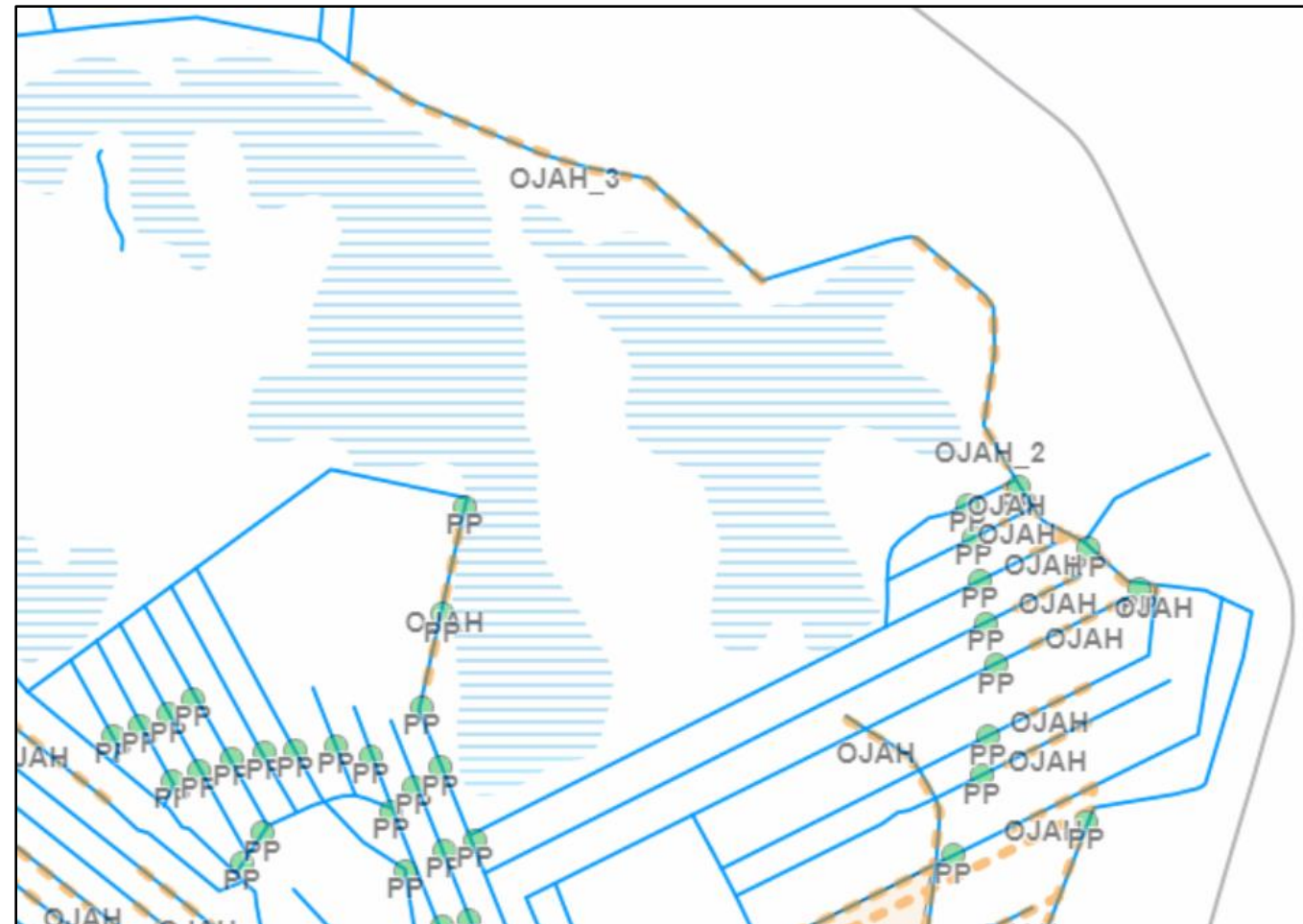
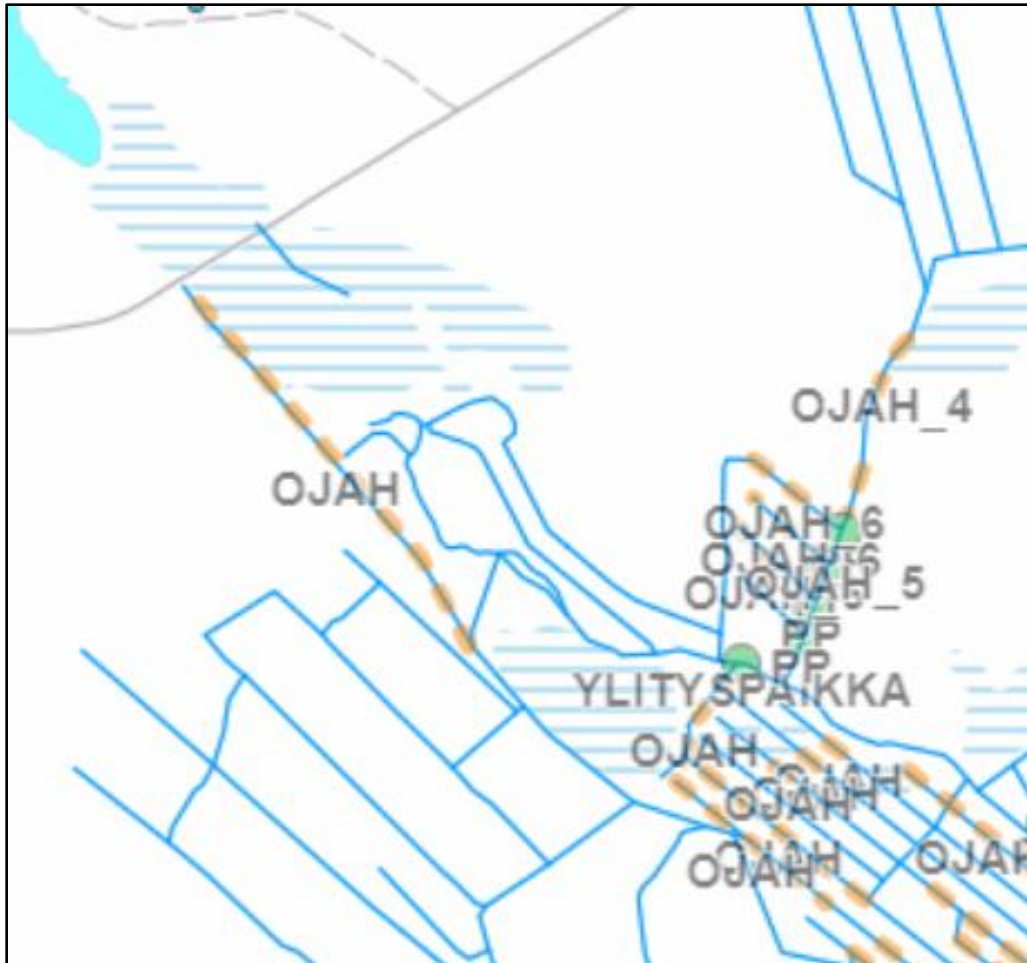




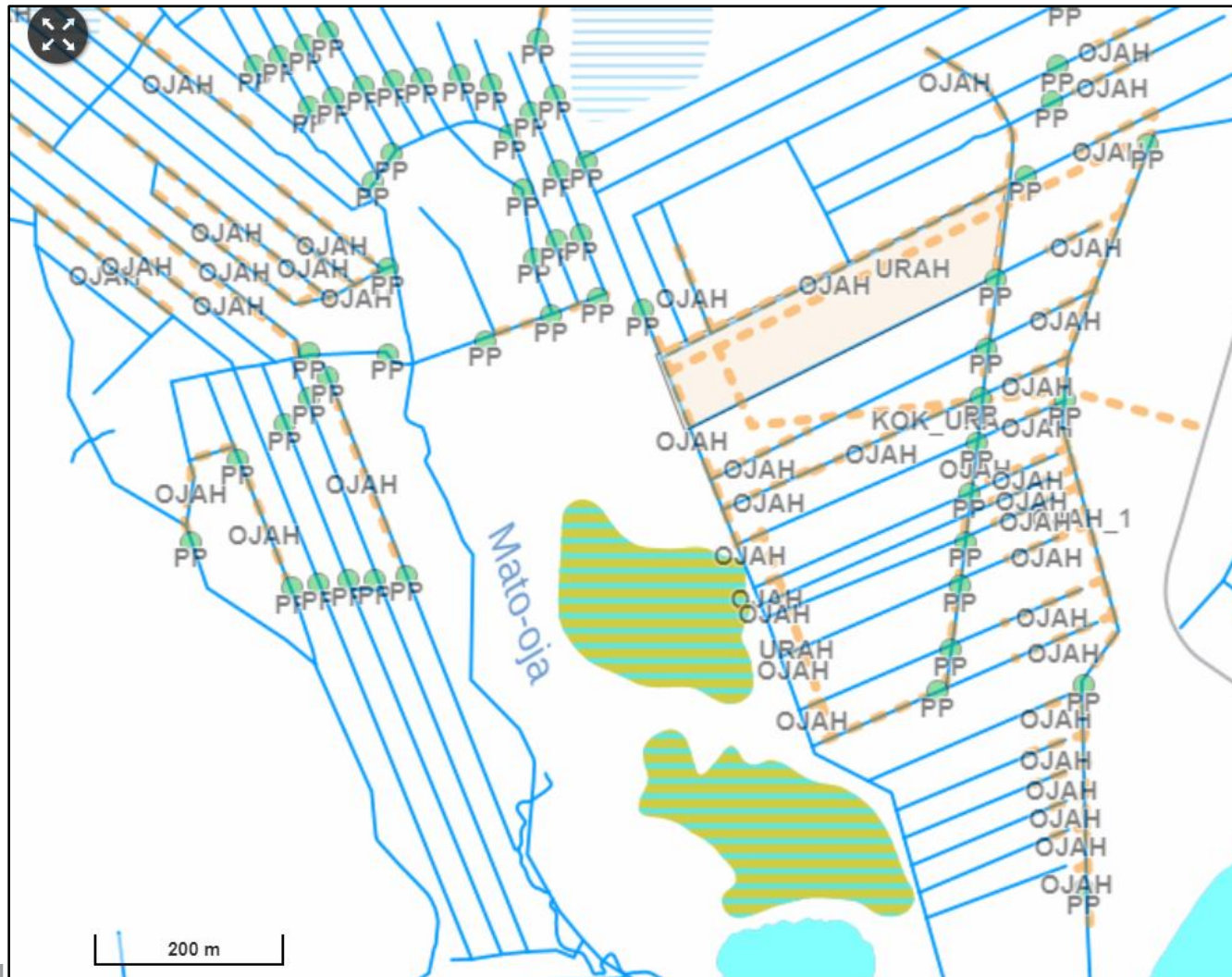


Plans for filling the ditches North

- PP = wooden dam
- TP = peat dam
- OT = filled ditch



Plans for filling the ditches south



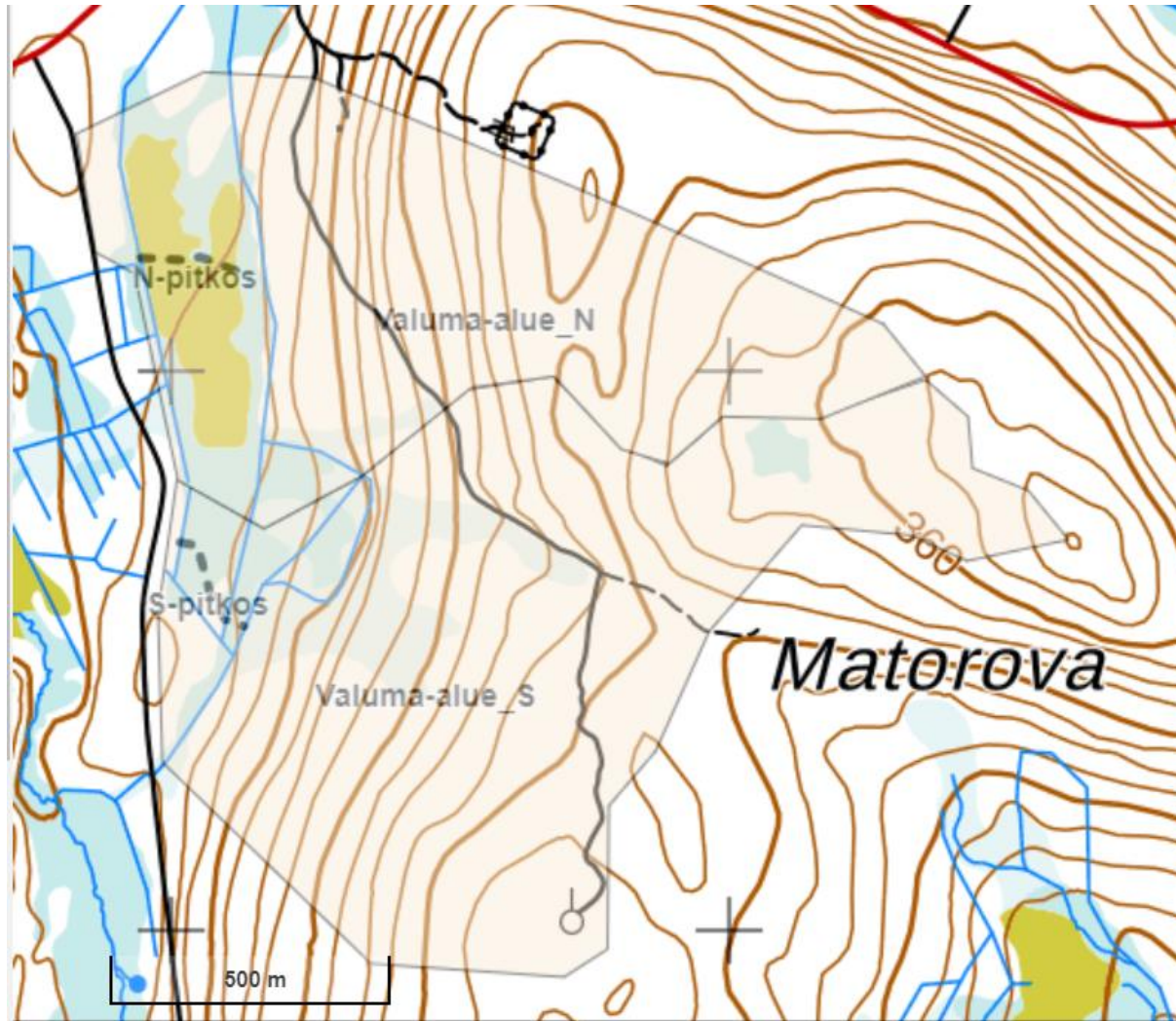
- PP = wooden dam
- TP = peat dam
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Leading water to the peatland through a "natural" route



Location and catchments Välisuo Mire



Catchment area 156 ha

Ennallistamisen vaikutusalue n. 24 ha

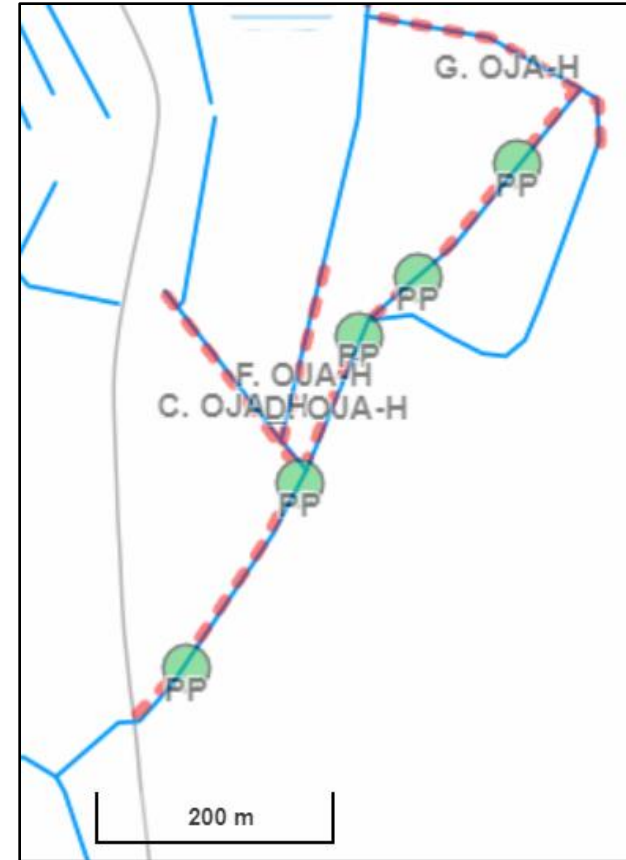
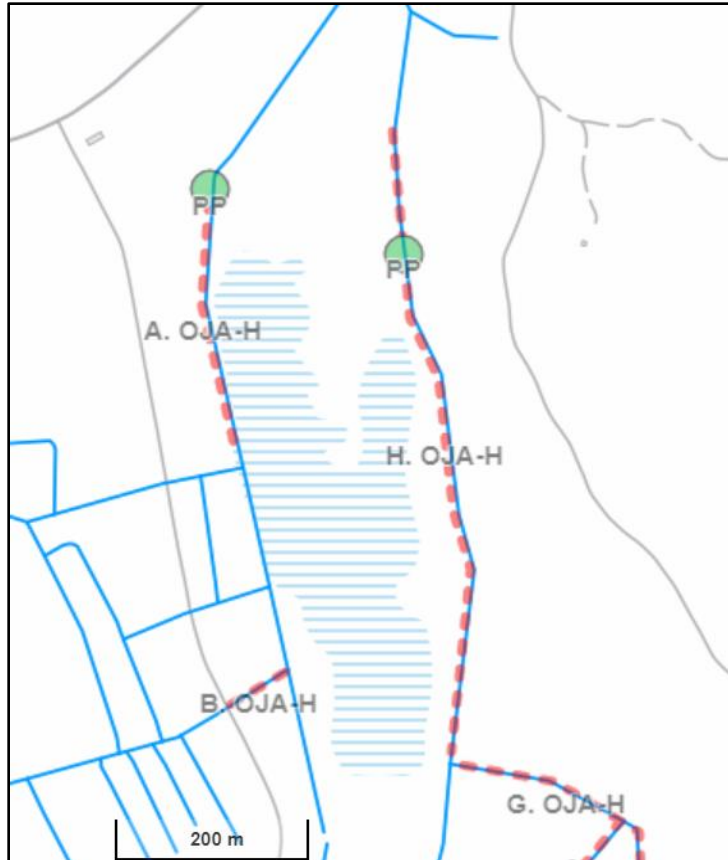


Fen with ponds south of the area



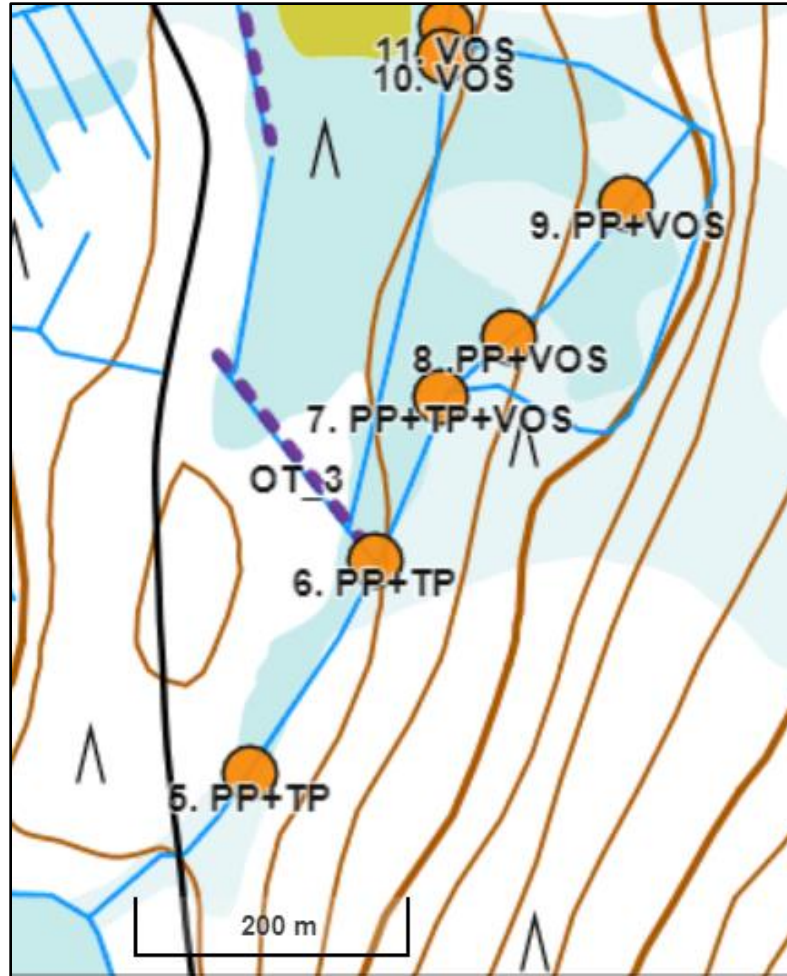
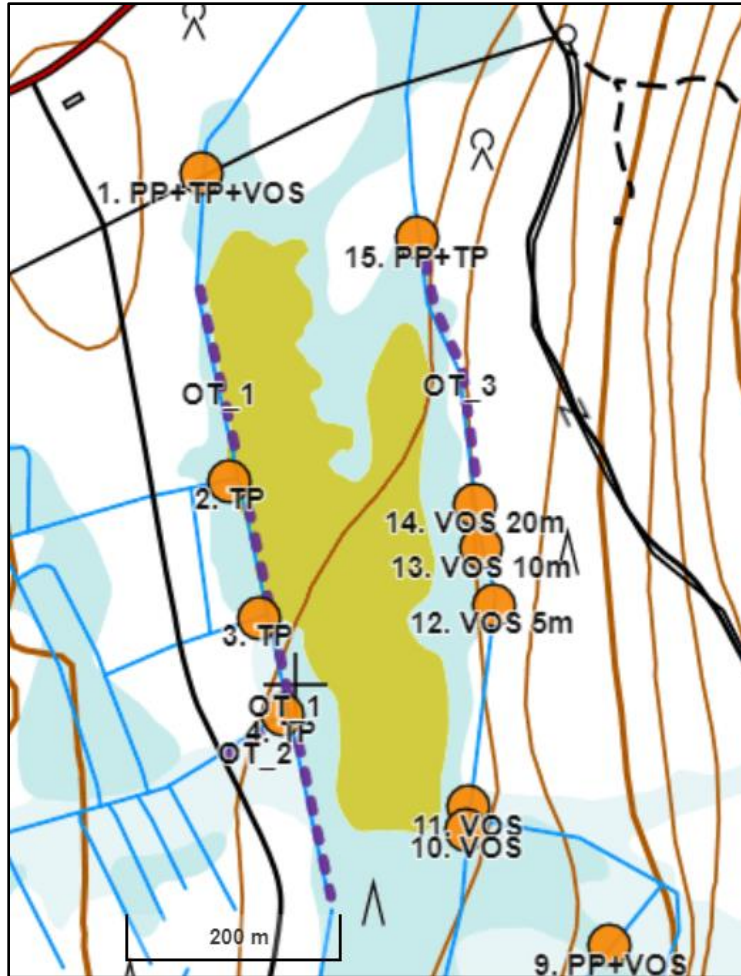
North of the area

Cutting trees and building of wooden dam (PP)



- all the wooden material to the ditches
- PP = bigger dam built with excavator

Dams and ditches to be filled with peat



PP = wooden dam

TP = peat dam

VOS = water guided to the peatland

OT = filled ditch



One of the ditches

Status now

- All sites, boardwalks and research instruments marked
 - Areas where not to move with heavy machinery
- Cutting of *Betula nana* and smaller trees done
- Winter 2023/2024 cutting of big trees
- After snowmelt blocking of ditches
- Visit of LIFE PeatCarbon to the site?



Thank you!