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# Peatland hydrological monitoring in Latvian sites

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University of Latvia

LIFE PeatCarbon project No. 01074396-LIFE21-CCM-LV-LIFE

Project Scientific Group Meeting

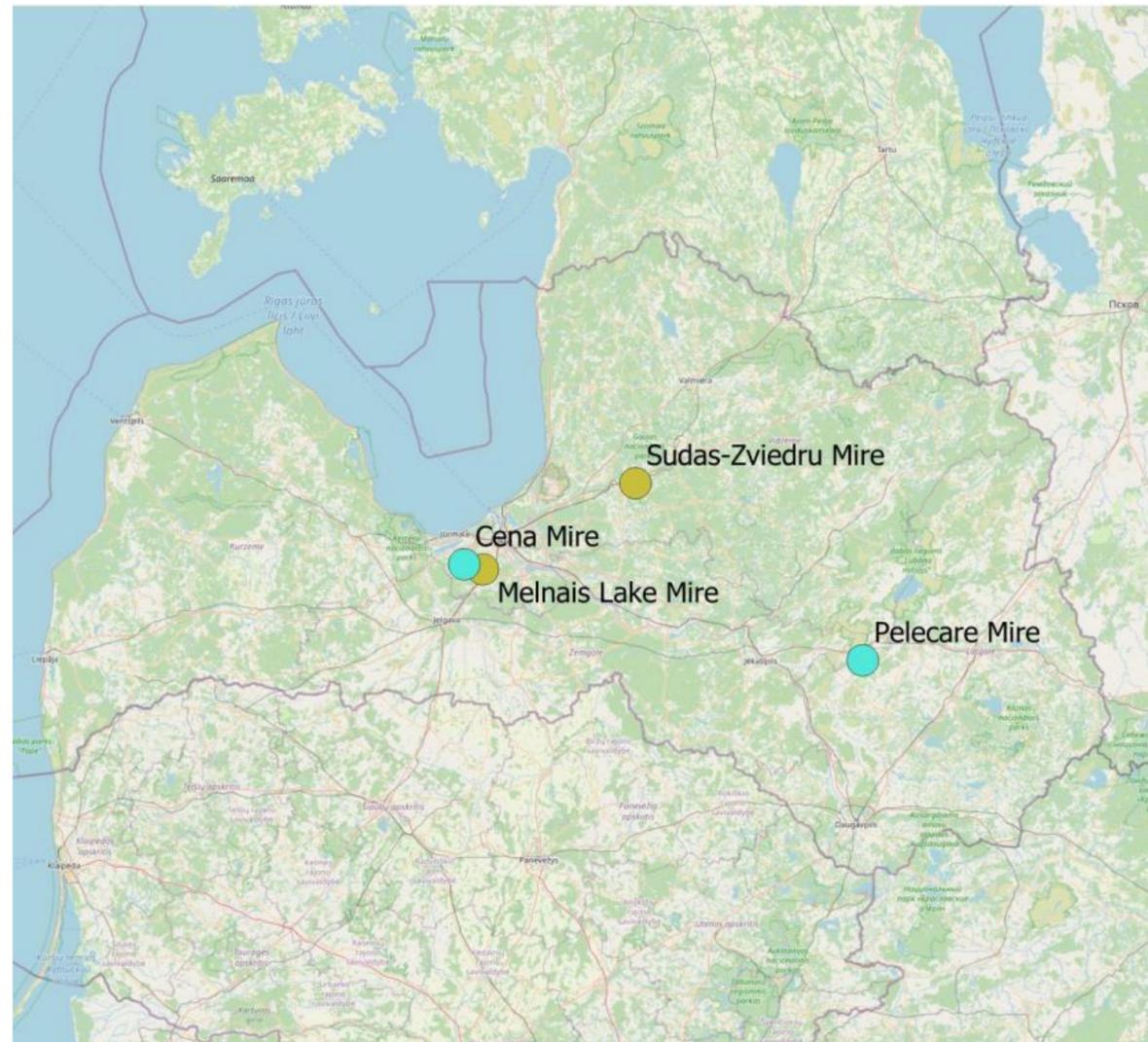
November 14, 2025



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## Project locations in Latvia



Restoration and monitoring locations

- Monitoring locations
- Restoration and monitoring locations

### Aim

Evaluate the impact of the hydrological restoration

### Task

Quantitatively measure the changes of the water table and runoff after restoration

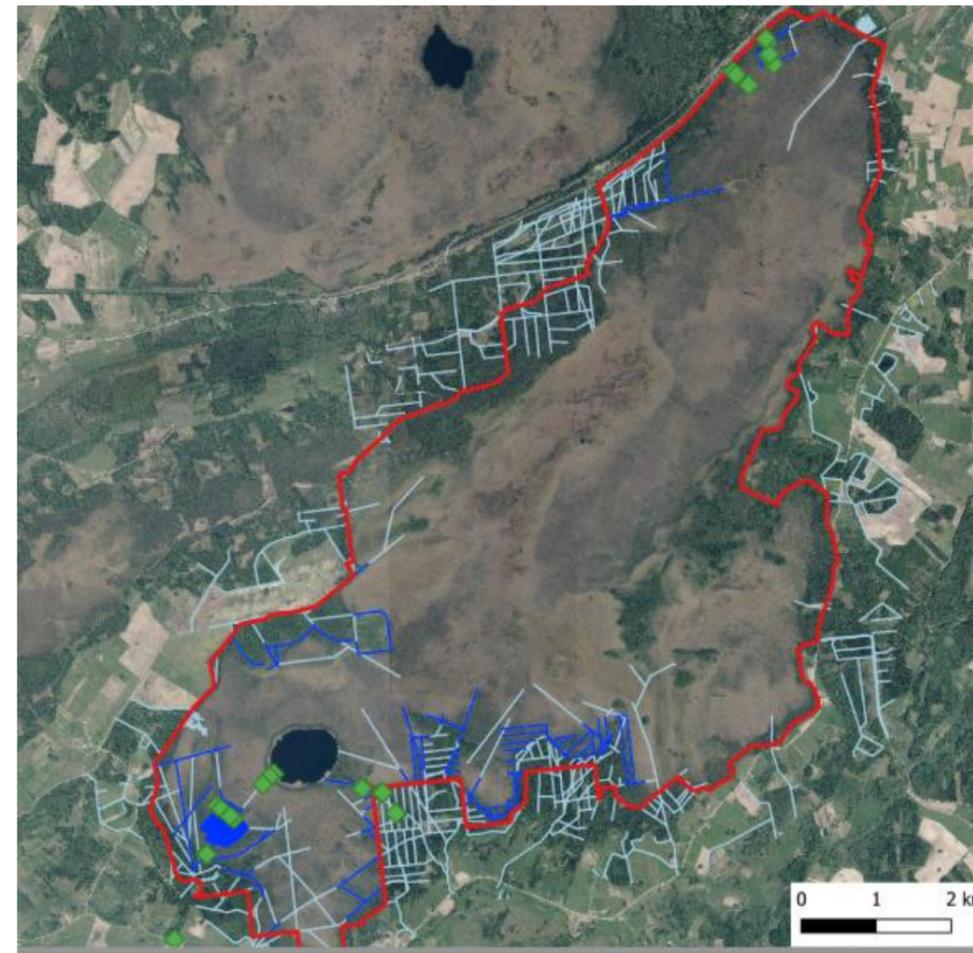
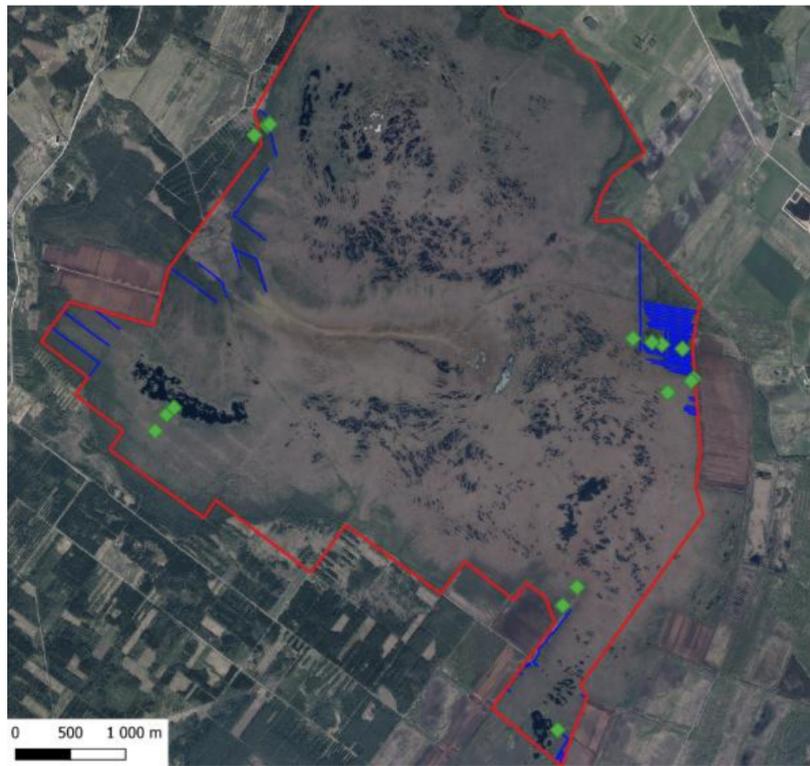
### Approach

Measure gradients

Comparison: pristine vs. restored vs. not-restored



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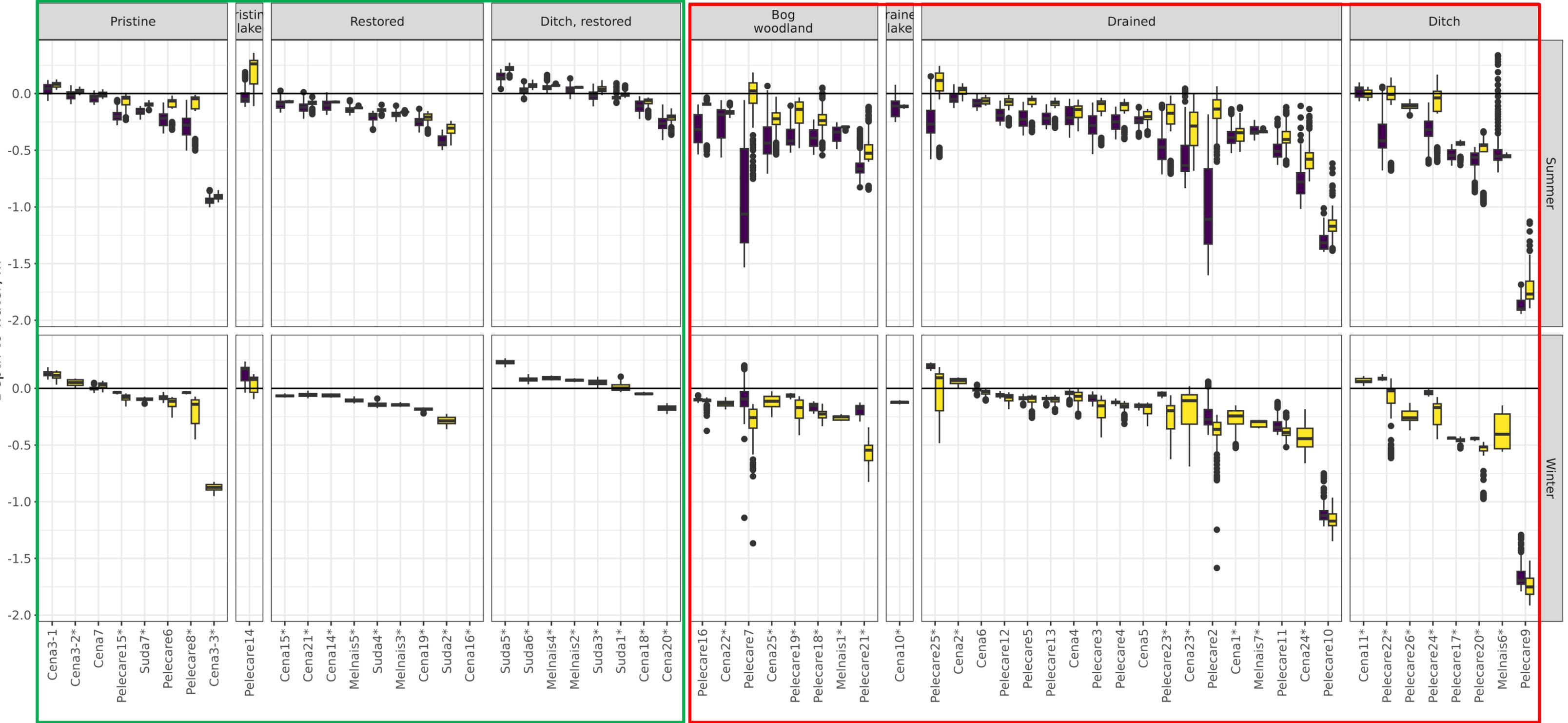


Programmer overview  
4 sites  
~58 water level probes  
a weather station  
~4 runoff water quality stations  
at one catchment

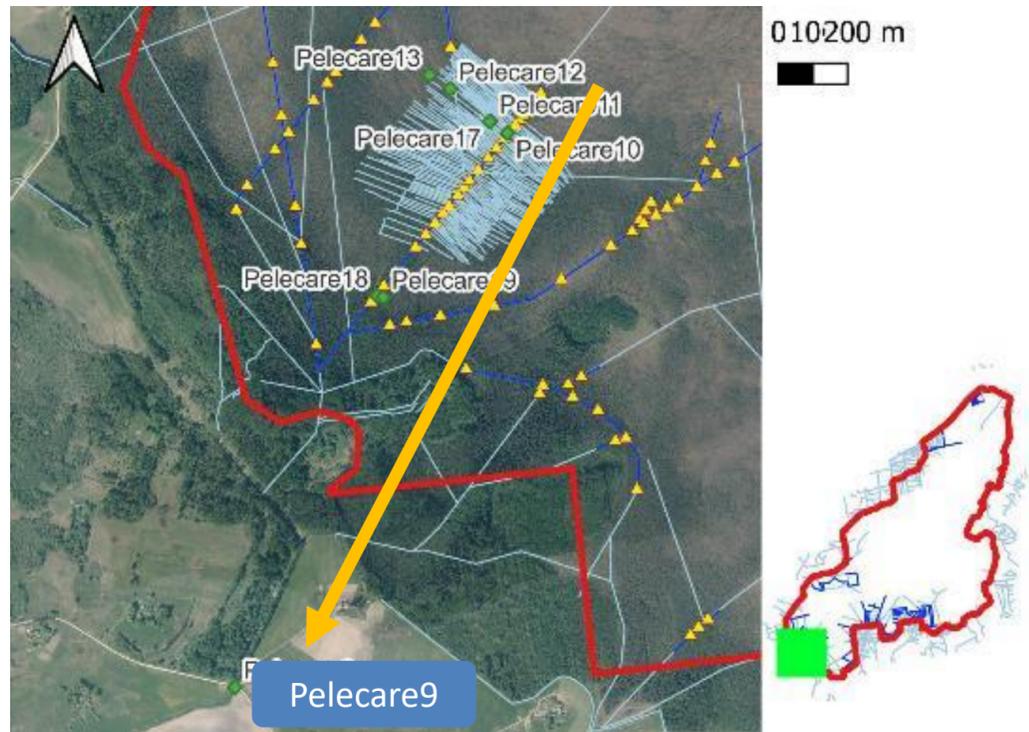
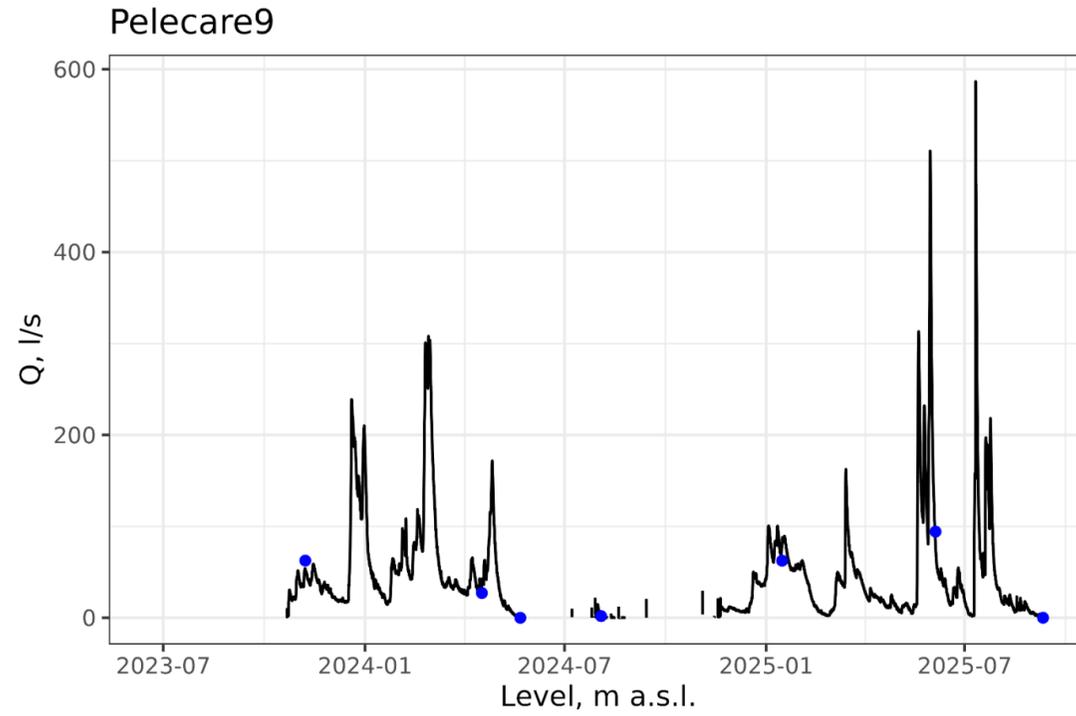
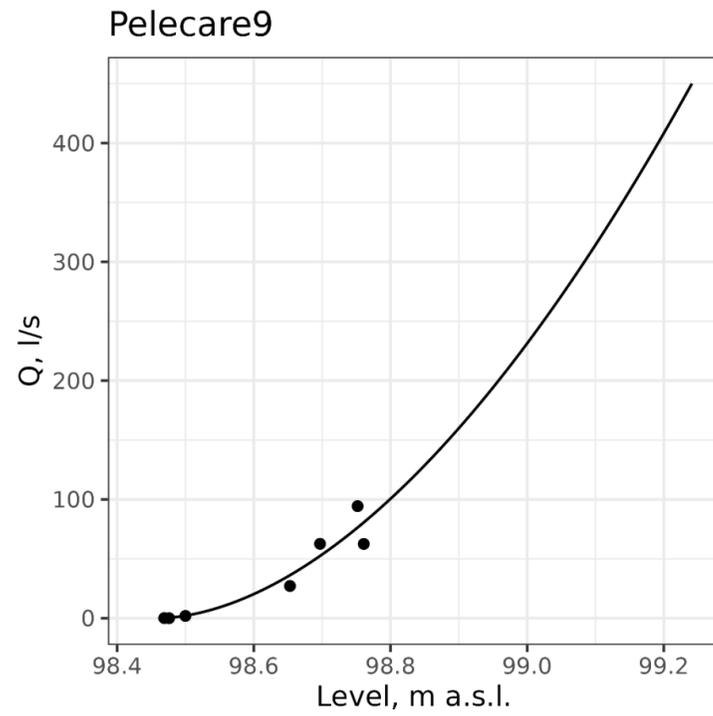


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2023-10-01 - 2025-09-30

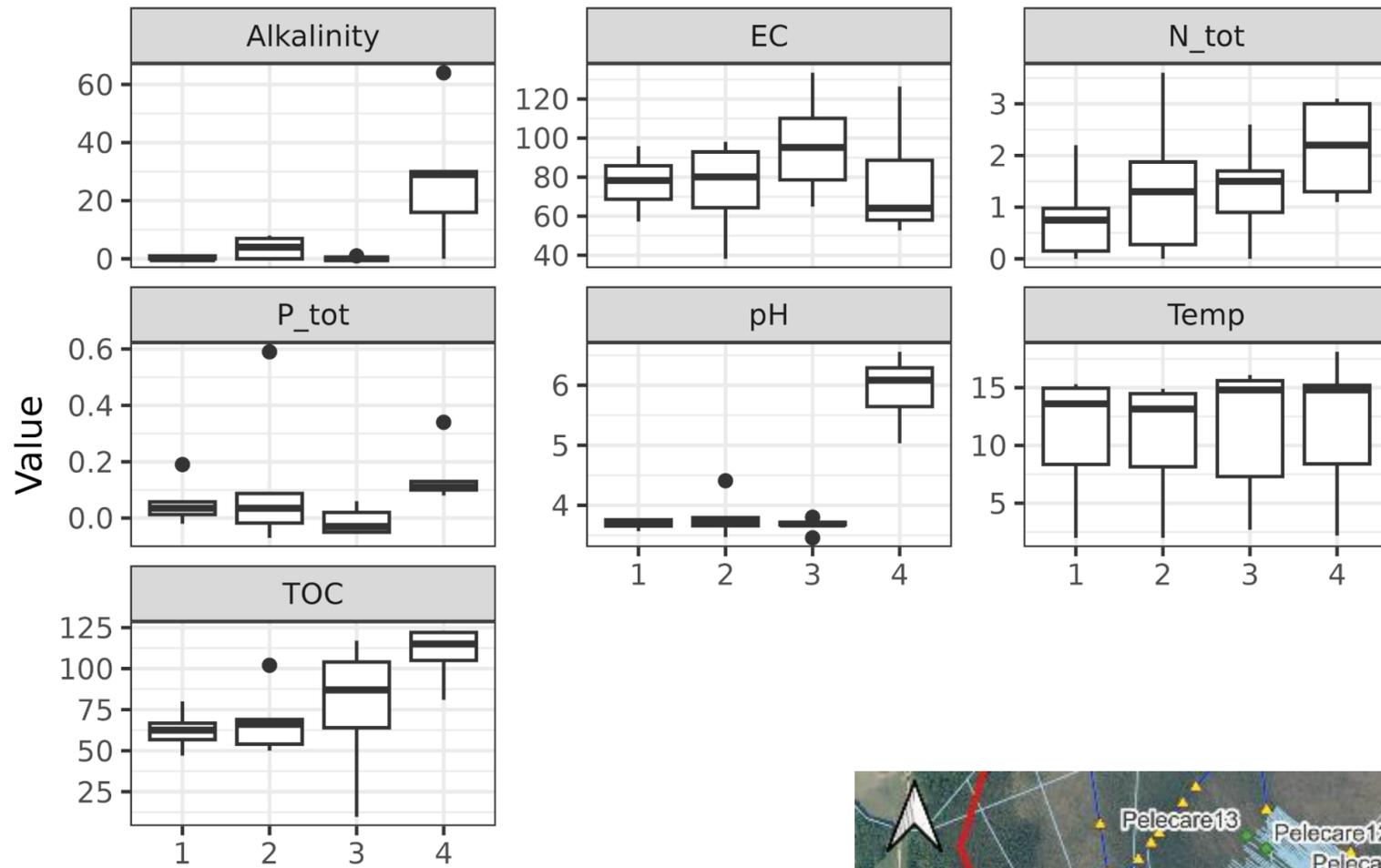


Hydrological year, starting in October 1 ■ 2024 ■ 2025

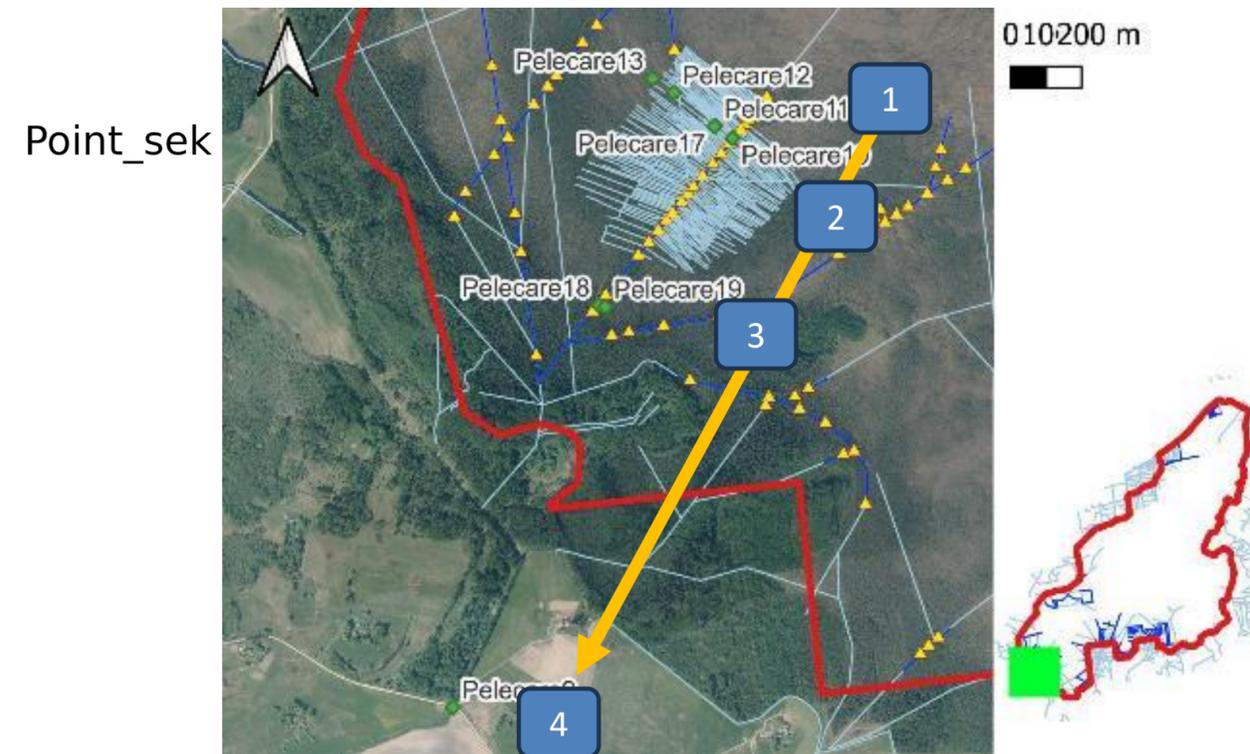


**Precipitation and runoff**  
 Malnupeite catchment, Lielais  
 Pelecare Mire  
 ~375 ha  
 mm/seasons

Hydrological year	Summer	Winter	Year
2024			
Precipitation	268	--	--
Runoff	13	282	295
2025			
Precipitation	501	139	640
Runoff	176	134	310



Runoff water quality parameters, Malnupeite catchment, Lielais Pelecare Mire





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**Thanks for the attention!**

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