GROUNDWATER DEPENDENT FOREST AND WET MEADOW CHARACTERISTICS IN A CHANGING CLIMATE

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Figure 1: The sampling area in the Hidegvíz-valley experimental catchment. The brown line stands for the stream, the blue is the road, the red one is the elder garden, and the green is the edge of the forest. Yellow dots are representing the places where we measured the soil moisture.

Figure 2: Soil moisture measured by the TDR instrument in the observed year

The water balance equation is:

\[ P - INT - (PET - INT) = dS - ETgw \]

Where P is precipitation, INT is interception, PET is potential evapotranspiration, dS is change in the storage, ETgw is groundwater inflow. The PET-INT means the transpiration water intake.

Figure 3: Water balance of the elder woodland during one year. The chart below the figure shows the monthly inflows and outflows.

Figure 4: Water balance of the wet meadow during one year. The chart below the figure shows the monthly inflows and outflows.

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