

Vegetation composition, chemical element flows and their interactions in the forested riparian zone: An example from a small stream in Latvia

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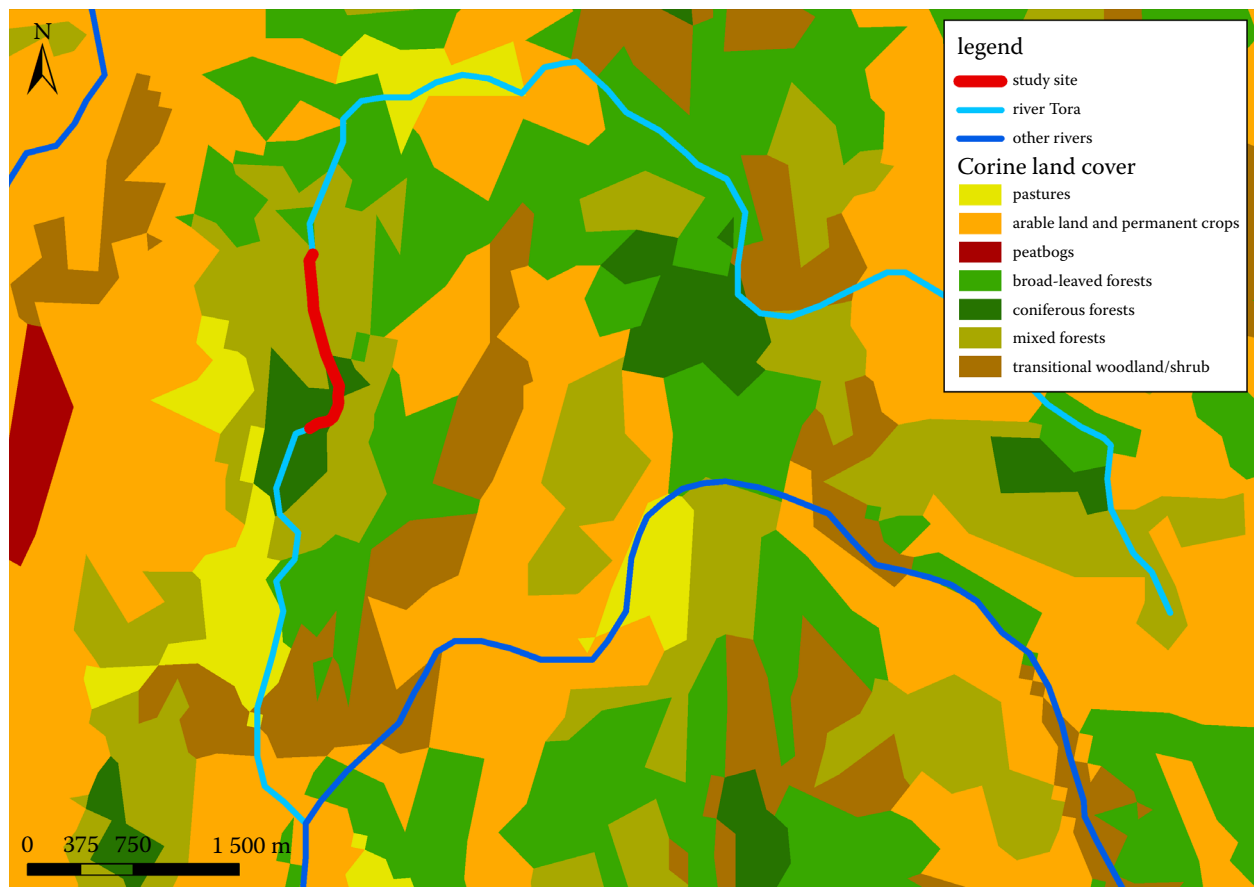


Figure S1. Land-use map of the surrounding area of the studied river Tora section

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Table S1. Analysed chemical parameters and used methods for throughfall, groundwater, litter and soil samples

Environmental sample	Parameter	Unit	Method (ISO standard)
Throughfall and groundwater	pH	pH unit	potentiometry (LVS ISO 10523:2012)
	total nitrogen (TN)	mg·L ⁻¹	determination of bound nitrogen (TNb), following oxidation to nitrogen oxides (LVS EN 1484:2000)
	nitrate-nitrogen (N-NO ₃ ⁻)	mg·L ⁻¹	liquid chromatography of ions (LVS EN ISO 10304-1:2009)
	ammonium-nitrogen (N-NH ₄ ⁺)	mg·L ⁻¹	spectrophotometry (LVS ISO 7150-1:1984)
	phosphate phosphorus (P-PO ₄ ³⁻)	mg·L ⁻¹	liquid chromatography of ions (LVS EN ISO 10304-1:2009)
	potassium (K)	mg·L ⁻¹	inductively coupled plasma optical emission spectrometry (ICP-OES) (LVS EN ISO 11885:2009)
Litter	dry mass (DM)	g	gravimetric method (LVS ISO 11465:2006 +TC1 A/L)
	total carbon (TC)	g·kg ⁻¹	elementary analysis (LVS ISO 10694:2006 A/L)
	total nitrogen (TN)	g·kg ⁻¹	elementary analysis (LVS ISO 13878:1998)
	phosphorus (P)	g·kg ⁻¹	inductively coupled plasma optical emission spectrometry (ICP-OES) (LVS EN ISO 11885:2009)
	potassium (K)	mg·g ⁻¹	Inductively coupled plasma optical emission spectrometry (ICP-OES) (LVS EN ISO 11885:2009)
Soil	pH	pH unit	potentiometry (LVS ISO 10390:2021)
	organic carbon (OC)	g·kg ⁻¹	elementary analysis (LVS ISO 10694:2006 A/L), FOGII digital soil calcimeter (BD Inventions PC, Greece)
	total nitrogen (TN)	g·kg ⁻¹	elementary analysis (LVS ISO 13878:1998)
	C:N		calculated as OC and TN ratio
	total phosphorus (TP)	g·kg ⁻¹	inductively coupled plasma optical emission spectrometry (ICP-OES) (LVS EN ISO 11885:2009)