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SUPPLEMENTARY MATERIAL

Longitudinal effects of land-cover transitions on the periphyton community of a tropical stream

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Tab. S1. Mean and standard deviation of the variables collected in 2014, 2015 and 2019 for the 3 land-cover types. Chl-*a* stock values refer to the chlorophyll-*a* collected from natural standing stocks colonizing rocks in the stream.

	Upstream forest					
	2014		**2015**		**2019**	
	Average	STDEV	Average	STDEV	Average	STDEV
Canopy cover (%)	72	24	86.85	3.58	80.75	3.79
Chl *a* stock (ug m^{-2})	4,351.71	4,173.36	No data	No data	21.57	15.65
Chl *a* tiles (ug m^{-2})	No data	No data	121.51	67.45	58.37	12.15
	Pasture					
	2014		**2015**		**2019**	
	Average	STDEV	Average	STDEV	Average	STDEV
Canopy cover (%)	19	13	8.33	12.68	16.69	20.73
Chl *a* stock (ug m^{-2})	35,242.68	13,979.10	No data	No data	69.25	44.07
Chl *a* tiles (ug m^{-2})	No data	No data	837.71	728.80	167.75	82
	Downstream forest					
	2014		**2015**		**2019**	
	Average	STDEV	Average	STDEV	Average	STDEV
Canopy cover (%)	No data	No data	93.81	4.20	74.35	10.60
Chl *a* stock (ug m^{-2})	No data	No data	No data	No data	76.20	76.92
Chl *a* tiles (ug m^{-2})	No data	No data	126.32	62.30	166.20	79.14

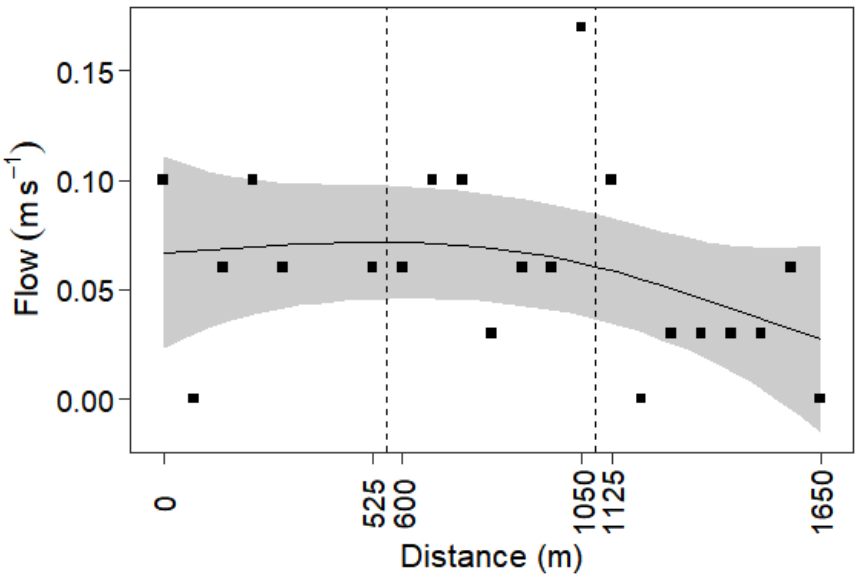

Fig. S1. GAM model showing the flow velocity varying along the land-cover transitions (GAM model: r^2 adjusted= 0.101, F=2.239, p=0.25).

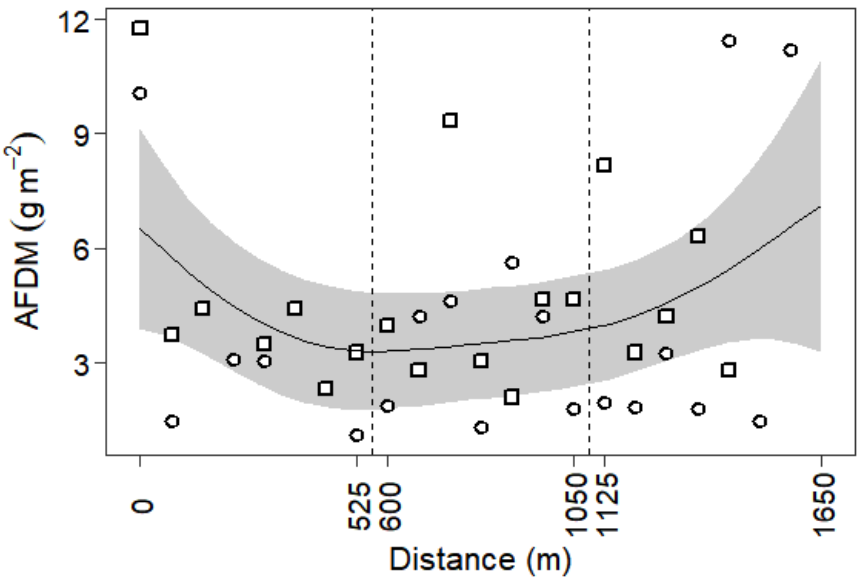

Fig. S2. AFDM (g m-²) from the tiles samples varying along the two land-cover transitions in 2015 (squares) and 2019 (triangles).