

Table S1. Physical soil parameters (mean \pm standard error) in seasonally flooded forest and upland forest. Values based on n = 9 samples for each forest type.

	Seasonally Flooded Forest	Upland Forest
Soil type	Gleysol	Leptosol
Soil color (moist)	7.5YR4/1	10YR2/1
Sand (%)	26.44 \pm 1.33	56.58 \pm 1.50
Silt (%)	61.88 \pm 1.99	28.39 \pm 1.29
Clay (%)	11.68 \pm 0.96	15.01 \pm 0.90
P (mg \cdot kg ⁻¹)	4.17 \pm 0.35	5.98 \pm 0.63
pH (H ₂ O)	6.93 \pm 0.23	7.86 \pm 0.05
C (%)	5.48 \pm 0.20	10.81 \pm 0.31
N (%)	0.32 \pm 0.03	0.96 \pm 0.05
K (mg \cdot kg ⁻¹)	508.39 \pm 24.60	394.20 \pm 38.52
K (Cmol \cdot kg ⁻¹)	1.30 \pm 0.06	1.01 \pm 0.09
C.E.C. (Cmol \cdot kg ⁻¹)	52.34 \pm 2.91	46.39 \pm 0.99
Bulk density (gr \cdot mL ⁻¹)	1.02 \pm 0.01	0.81 \pm 0.01

Table S2. Description of topographic variables (mean \pm standard error) of seasonally flooded forest and upland forest in the Calakmul region of the southern Yucatan Peninsula.

	Seasonally Flooded Forest	Upland Forest
Aspect	40.36 \pm 10.04	115.88 \pm 12.18
Elevation	85 \pm 5.15	136.2 \pm 6.71
Roughness	0.33 \pm 0.06	1.44 \pm 0.15
Slope	0.79 \pm 0.21	3.78 \pm 0.40
TPI	1.49 \pm 2.98	0.61 \pm 1.98
TRI	68.02 \pm 7.89	53.93 \pm 6.18
TWI	8.43 \pm 0.17	6.20 \pm 0.16