TITLE: Data presented in the paper "Turbulence-mediated facilitation of resource uptake in patchy stream r
(Limnology and Oceanography 2018)

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Figure 1 Vegetation structure.csv
Description of biomass and canopy architecture for the transplanted patches of
Callitriche and Groenlandia.
Distance : Distance (in m) within the patch from its leading edge
LowerCanopyHeight : Lower height of the overhanging plant canopy (in m), if
applicable
UpperCanopyHeight : Upper height of the plant canopy (in m)
Biomass_gDWm-2 : Mean vegetation biomass (g DW m^{-2}) used in the transplanted
patches of *Callitriche* and *Groenlandia*
Species : Species considered in the study

Figure 2 3 5 Uptake vs hydrodynamics.csv
Dataset including NH_4^+ uptake rates (μmol g^{-1} (DM) h^{-1}) for individuals of *Callitriche*
and *Groenlandia* per location (averaged over the two replicate runs) and
measurements of hydrodynamic parameters.

Species : Species used in the incubation experiment
UptakeRate : NH_4^+ Uptake rate (μmol g^{-1} (DM) h^{-1})
U : Depth-averaged flow velocity (m s^{-1})
Q : Volumetric flow rate within the canopy (m^3 s^{-1})
TotalFlowEnergy : Total Flow Kinetic Energy within the canopy (m^2 s^{-2})
CanopyHeight : Height of the vegetation canopy (cm) in the
measurement location
CanopyTKE : Turbulent Kinetic Energy within the canopy (m^2 s^{-2})
ReynoldsStress : Reynolds stress (Pa) at the top of the canopy
Configuration : Spatial configuration of the two macrophyte patches in the
flume

Figure 4 Uptake rates.csv
Dataset of NH_4^+ uptake rates (μmol g^{-1} (DM) h^{-1}) for individuals of *Callitriche* and
Groenlandia in the replicate incubation experiments for each of the four vegetation
spatial configurations.

SampleID : Individual identification code for the plant sample
UptakeRate : NH_4^+ uptake rate (μmol g^{-1} (DM) h^{-1})
Species : Species used in the incubation experiment
Configuration : Spatial configuration of the two macrophyte patches in the
flume
Replicate : Replicate incubation for each configuration
StreamwisePosition : Plant sample position within the patch (streamwise direction)
SpanwisePosition : Plant sample position within the patch (spanwise direction)