

A Functional Form for Fine Sediment Interception in Vegetated Environments
Stein, S., Wingenroth, J., and Larsen, L. (2021)
Supplementary Information

Repository: <https://gitlab.com/esdl/flume-synthesis>

Table S1: Results from stepwise regression analysis. Output created using the stepAIC function from the MASS package in R, using the bidirectional approach. All terms were retained.

Start: AIC=-62.99

.outcome ~ logX1 + logX2 + logX3 + logX4

	Df	Sum of Sq	RSS	AIC
<none>			32.125	-62.991
- logX3	1	3.167	35.292	-57.470
- logX1	1	5.421	37.546	-52.516
- logX4	1	46.360	78.485	6.471
- logX2	1	139.468	171.593	69.048

Call:

lm(formula = .outcome ~ logX1 + logX2 + logX3 + logX4, data = dat)

Coefficients:

(Intercept)	logX1	logX2	logX3	logX4
-1.127	-0.385	-1.543	1.004	2.098

Residuals:

Min	1Q	Median	3Q	Max
-1.33103	-0.53689	0.06273	0.54872	1.31218

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-1.12653	1.27139	-0.886	0.378417
logX1	-0.38499	0.10822	-3.558	0.000653 ***
logX2	-1.54323	0.08552	-18.045	< 2e-16 ***
logX3	1.00376	0.36915	2.719	0.008128 **
logX4	2.09818	0.20168	10.404	3.35e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.6545 on 75 degrees of freedom

Multiple R-squared: 0.8365, Adjusted R-squared: 0.8278

F-statistic: 95.92 on 4 and 75 DF, p-value: < 2.2e-16