

# Some equations

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July 19, 2014

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## Glossary

$h_s$	Sediment thickness ( $m$ )	1, 2
$q_s$	Unspecified sediment flux per unit width ( $m^2$ $s^{-1}$ )	1

[title=Symbols]

## 1 Transport limited versus Detachment limited

### Transport limited

Exner Equation

$$(1 - \lambda_p) \frac{\partial h_s}{\partial t} = - \frac{\partial q_s}{\partial x} \quad (1)$$

### Detachment limited

$$\frac{\partial h_s}{\partial t} = -K\tau_b \quad (2)$$