

Variable	Unit	Interpretation
H_T	m	Threshold height
$V(H_T)$	m^3	Volume created by a height H_T over a reach
$S(H_T)$	m^2	Flooded area created by a height H_T over a reach
$A(H_T)$	m^2	Average cross section area created by a height H_T over a reach
$B(H_T)$	m	Average surface width created by a height H_T over a reach
$Q(H_T)$	$m^3 s^{-1}$	Mean discharge created by a height H_T over a reach
D_e	$m^3 s^{-1}$	Conveyance capacity
A_{ch}	m^2	Cross section area of the channel
A_{fp}	m^2	Cross section area of the floodplain
R_{ch}	m	Hydraulic radius of the channel
R_{fp}	m	Hydraulic radius of the floodplain
I_f	mm^{-1}	Slope of the channel
h_b	m	Bankfull water level of the channel
W_b	m	Bankfull width of the channel
A_b	m^2	Bankfull cross section area of the channel
Q_b	$m^3 s^{-1}$	Bankfull discharge of the channel
A_D	m^2	Drainage area upstream a given cell
L	m	Target length of a reach (fixed)