

Mass import

Mass export

$M$

$N$

$q_{orig}$   
 $R_{orig}$

$q_0$   
 $R_0$

Incoming  
horizontal advection

$F_{adv}$

$q_{adv}$

$R_{adv}$

Rain evaporation

$F_{evap}$

$R_{evap}$

Outgoing  
horizontal advection

$F_{adv,out}$

$q_0$

$R_0$

$q_0$   
 $R_0$

$h_0, SST$

Surface evaporation

$E$

$R_E$

