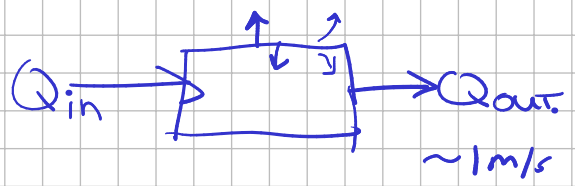
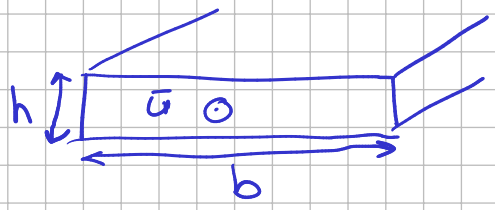
CONTINUITY

WHAT GOES IN MUST COME OUT

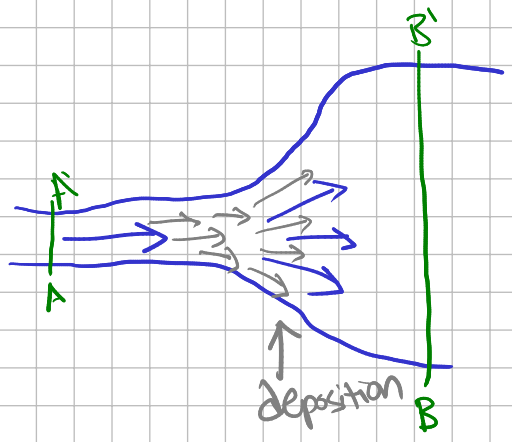




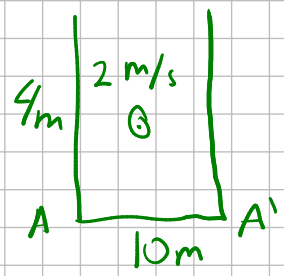
$$Q = b\,h\,\bar{u}$$

m m m/s

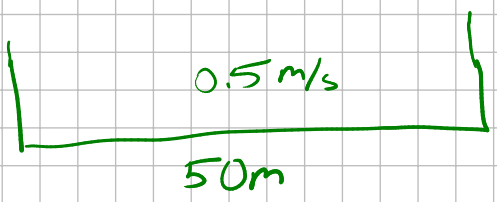
m^3/s Volumetric Discharge



Sediment too!



$80\,m^3/s$



$Q = 80\,m^3/s = 50_m \times \bar{h} \times 0.5\,m/s$

$= 25\,m^2/s \times h$

$\frac{80}{25} \simeq 3\,m \leftarrow$ depth $= h$