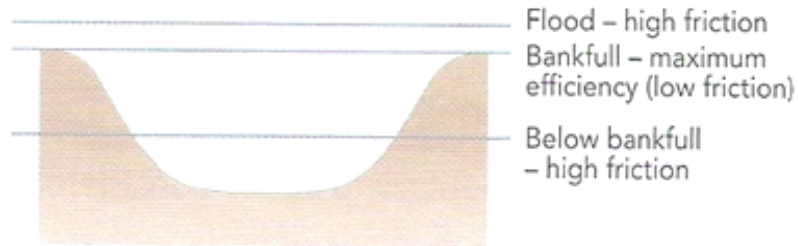
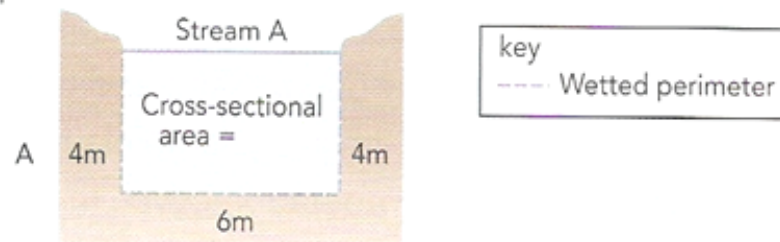


Channel efficiency is measured by the hydraulic radius  
i.e. cross-sectional area divided by wetted perimeter.  
It is affected by river level and channel shape.

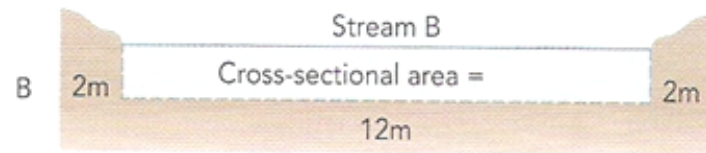
River



Shape



Very efficient (low relative friction)



Inefficient (high friction)

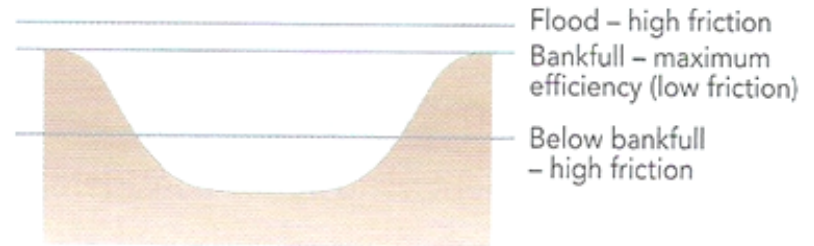
Cross-sectional area	Wetted perimeters	Hydraulic radius
Stream A:	Stream A:	Stream A:
Stream B:	Stream B:	Stream B:

Figure 1.15 The hydraulic radius

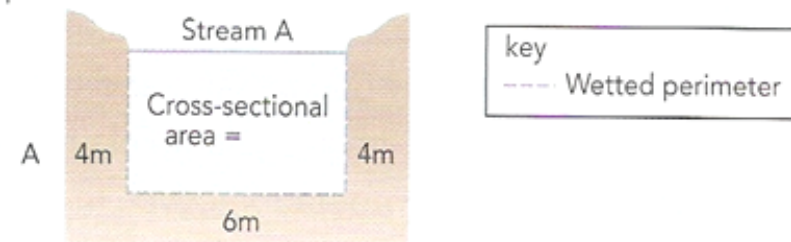


Channel efficiency is measured by the hydraulic radius  
i.e. cross-sectional area divided by wetted perimeter.  
It is affected by river level and channel shape.

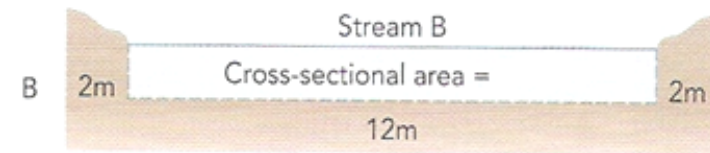
River



Shape



Very efficient (low relative friction)



Inefficient (high friction)

Cross-sectional area	Wetted perimeters	Hydraulic radius
Stream A:	Stream A:	Stream A:
Stream B:	Stream B:	Stream B:

Figure 1.15 The hydraulic radius

