

# Mountain Rivers

*Gutta cavat lapidem*

*(Dripping water  
hollows out a stone)*

- Ovid,  
*Epistulae Ex Ponto*,  
Book 3, no. 10, l. 5



# Mountain Rivers

- Fixed channel boundaries (bedrock banks and bed)
- High transport capacity
- Low Storage
- Input  $\approx$  Output



# Sediment Budgets for Mountain Rivers

Little sediment storage implies that sediment inputs balanced by downstream sediment transport.

$$\text{Input} = \text{Output}$$
$$\Delta S = 0$$

