

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.

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

