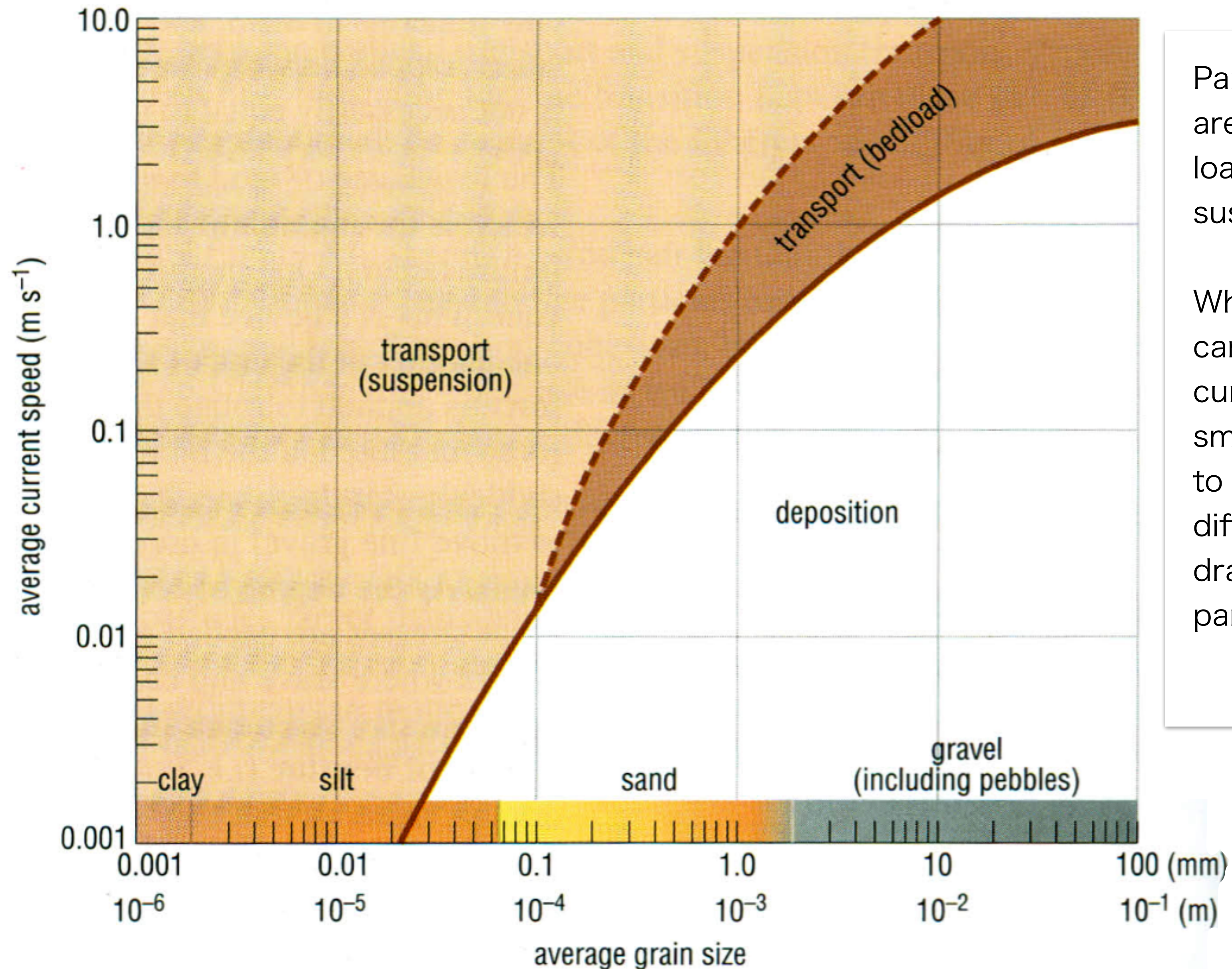


# Sediment erosion/transport/deposition

relationship between averaged grain size and  
averaged current speed above which sediments are  
transported and below which they are deposited



Particles lower than 0.1 mm are not transported in bed load but directly taken into suspension.

When in suspension they can be transported at current speeds very much smaller than those required to erode them and the difference increases dramatically with decreasing particle size.



# Incipient motion of sediment particles

Dimensional analysis on a particle leads to two  
dimensionless numbers

