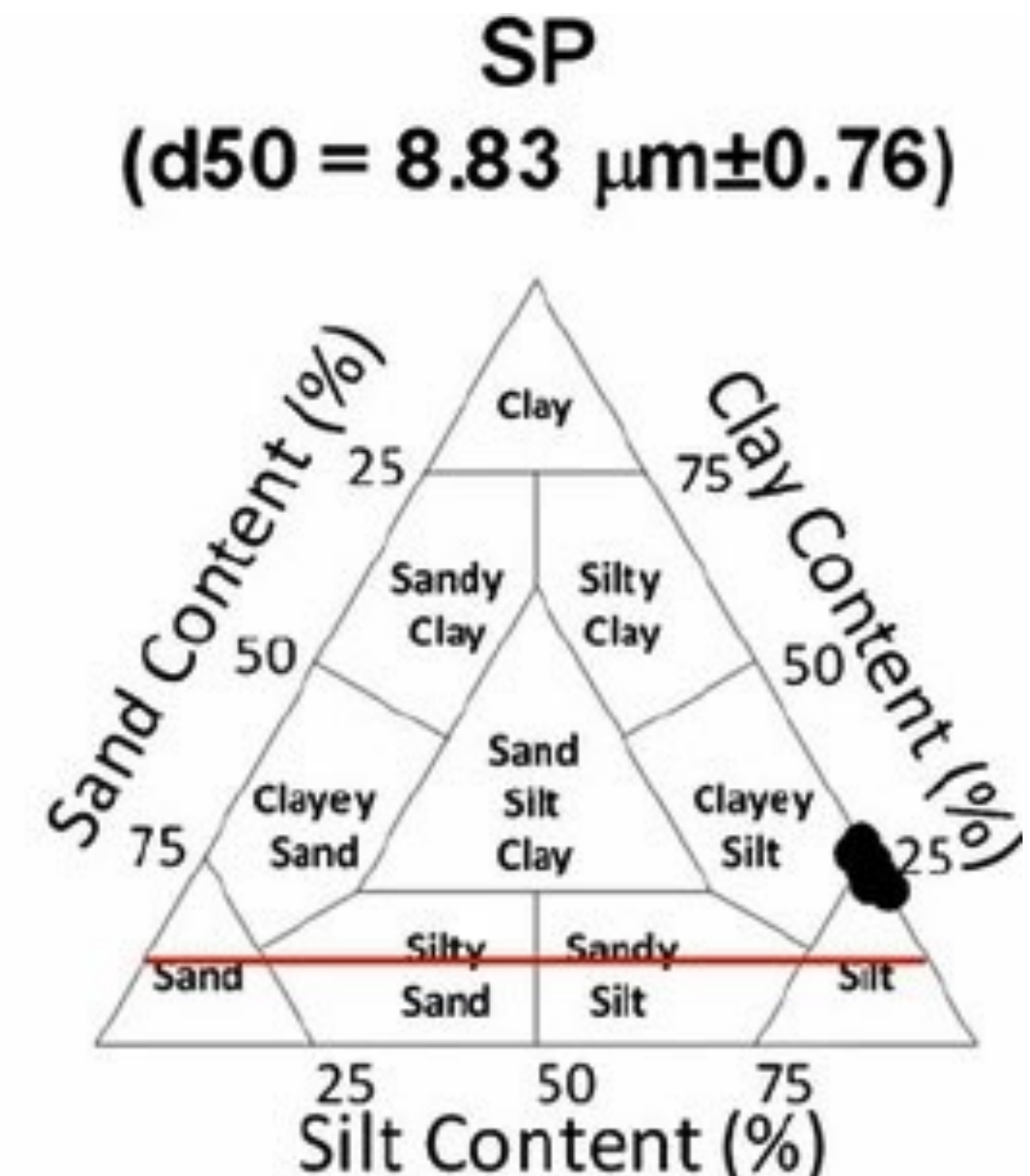
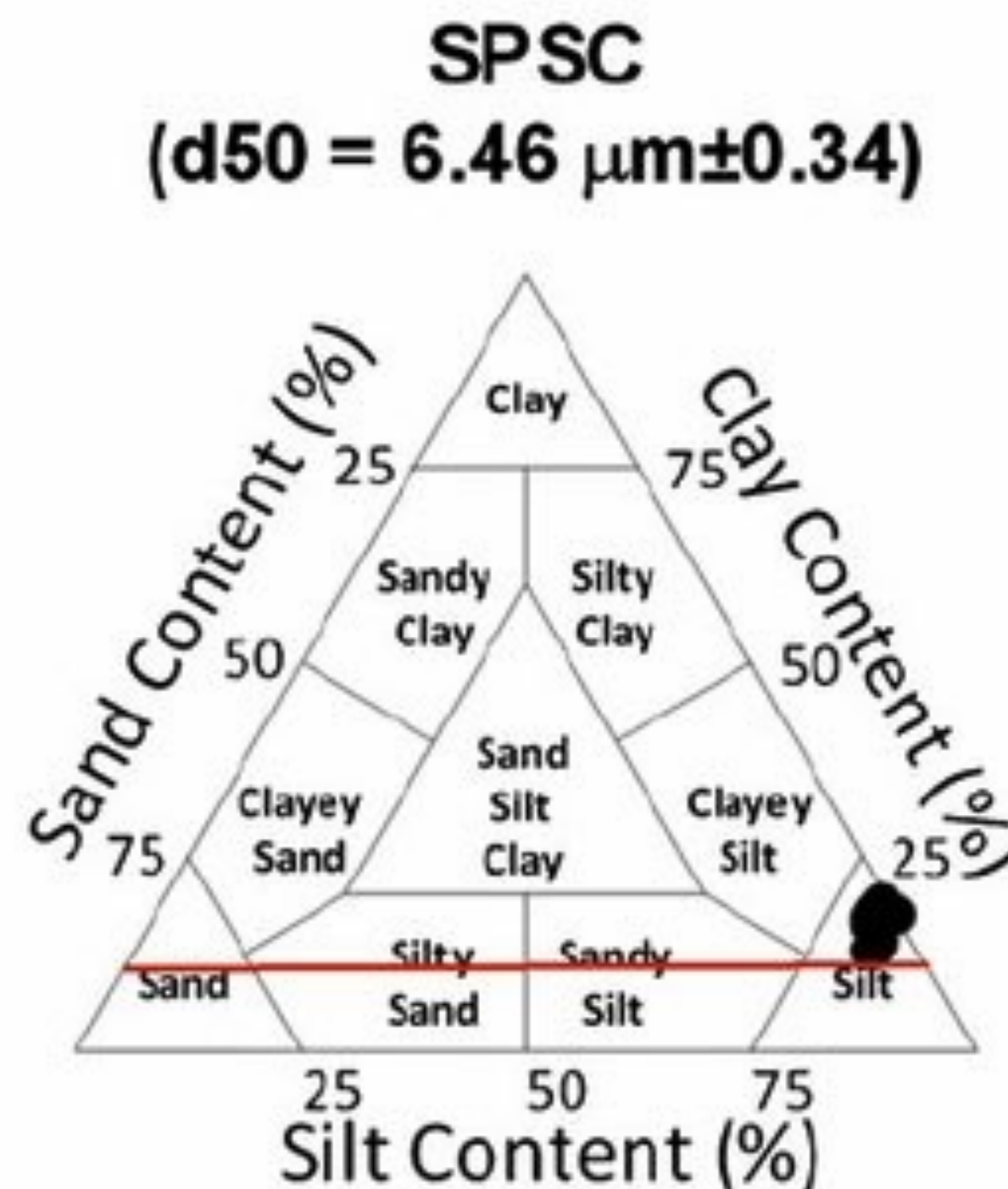
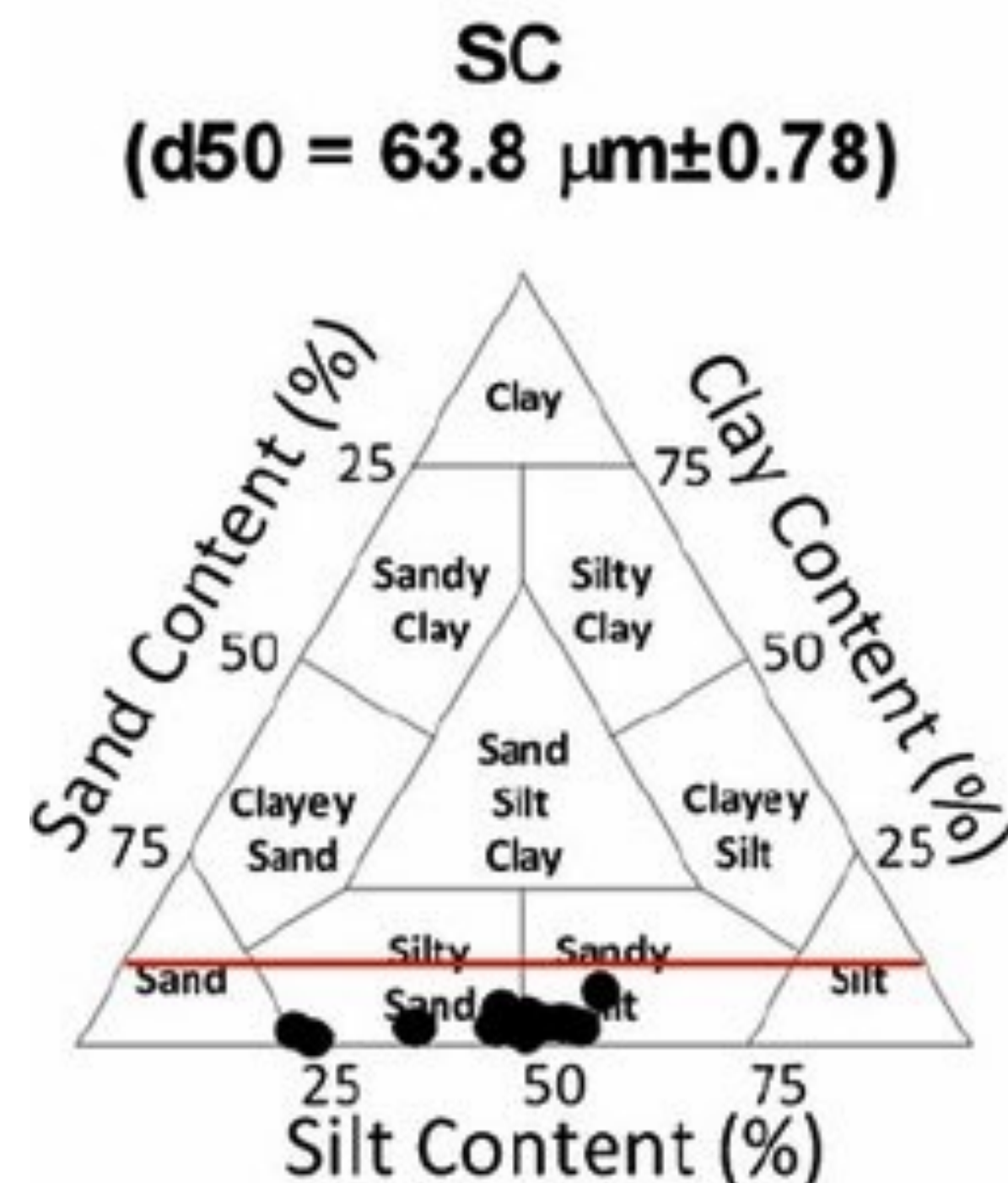


Cohesive and non-cohesive sediments

Clay increases the overall cohesion of the bed and it begins to be significant even when they constitute only a small proportion of the total sediment (5-10% of content).



The critical shear stresses required to set cohesive sediments in motion are much greater than might be supposed from their small particle size.

Cohesive and non-cohesive sediments

Non-cohesive sediments lack the physicochemical interactions that exist between clay particles and so are free to move independently.



The critical shear stresses required to set non-cohesive sediments in motion decrease with decreasing particle size.