

Exercise 5. Bed and Banks: Pebble Count Interpretation

Use the particle size distribution graph below to determine the percent composition of sediment needed by size class. Size classes have been developed to match typical ranges that could be obtained from a quarry or gravel crushing and sorting operation. Categories can be adjusted to fit local sources but care should be taken to ensure that size classes do not get too broad so that the final mix is an accurate representation of the reference reach. Fill in the appropriate percentages in the table provided below. Also enter the maximum particle diameter.

Size class and general description	Percent composition
Sand/Fine Gravel (<2-19 mm, ¾ in minus)	
Gravel (19-51 mm or ¾ -2 in)	
Small Cobble (51-102 mm or 2-4 in)	
Large Cobble (102-203 mm or 4-8 in)	
L Cobble/Boulder (203-508 mm or 8-20 in)	

Maximum diameter (D100): _____ mm _____ in

