

# Riffle Stability Index

**Riffle Stability Index Overview**

**Riffle Stability Index Form**

Riffle #1

## Riffle Stability Index

Material	Size Range (mm)		Pebble Counts	% in Class	Cumulative
	Lower	Upper			
silt/clay	0	0.062			
very fine sand	0.062	0.13			
fine sand	0.13	0.25			
medium sand	0.25	0.5			
coarse sand	0.5	1			
very coarse sand	1	2			
very fine gravel	2	4			
fine gravel	4	6			
fine gravel	6	8			
medium gravel	8	11			
medium gravel	11	16			
coarse gravel	16	22			
coarse gravel	22	32			
very coarse gravel	32	45			
very coarse gravel	45	64			
small cobble	64	90			
medium cobble	90	128			
large cobble	128	180			
very large cobble	180	256			
small boulder	256	362			
small boulder	362	512			
medium boulder	512	1024			
large boulder	1024	2048			
very large boulder	2048	4096			

**Total Particles =**

Enter intermediate diameters (mm) of 10 – 30 particles on bar:

1		11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Geometric Mean Grain Size (mm) =

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