

D0											
D5											
E0											
E5											
F0											
F5											
G0											
G5											
H0											
H5											
J0											
J5											
K0											

Of course, in the database, this can be just 1 data column of 209 observations, as follows:

TransectIDwith StationLeftRightLeftRight	SubstrateTypeCode
A000	
A001	
A002...	

2. Count the number of observations in the table – there might be missing data, leaving less than 209. This is [NumberOfSubstratesSized](#)

3: Calculate the remaining variables listed below by counting code observations, dividing by (typically) 209 and multiplying by 100.

Variable	Description
PercentBedrockSmooth	% observed particles [normally 209] with SubstrateSizeClass as RS
PercentBedrockRough	% observed particles [normally 209] with SubstrateSizeClass as RR
PercentBedrock	% observed particles [normally 209] with SubstrateSizeClass as RS or RR
PercentPavement	% observed particles [normally 209] with SubstrateSizeClass as RC
PercentBoulderLarge	% observed particles [normally 209] with SubstrateSizeClass as XB
PercentBoulderSmall	% observed particles [normally 209] with SubstrateSizeClass as SB
PercentBoulder	% observed particles [normally 209] with SubstrateSizeClass as SB or XB
PercentCobble	% observed particles [normally 209] with SubstrateSizeClass as CB
PercentGravelCoarse	% observed particles [normally 209] with SubstrateSizeClass as GC
PercentGravelCoarseorAbove	% observed particles [normally 209] with SubstrateSizeClass as GC or CB or SB or XB or RC or RS
PercentGravelFine	% observed particles [normally 209] with SubstrateSizeClass as GF
PercentGravelFineOrBelow	% observed particles [normally 209] with SubstrateSizeClass as GF or SA or FN
PercentSand	% observed particles [normally 209] with SubstrateSizeClass as SA
PercentFines	% observed particles [normally 209] with SubstrateSizeClass as FN
PercentSandorFines	% observed particles [normally 209] with SubstrateSizeClass as SA or FN
PercentHardpan	% observed particles [normally 209] with SubstrateSizeClass as HP
PercentHardsand	% observed particles [normally 209] with SubstrateSizeClass as HS (drop this)
PercentWood	% observed particles [normally 209] with SubstrateSizeClass as WD
PercentOther	% observed particles [normally 209] with SubstrateSizeClass as OT