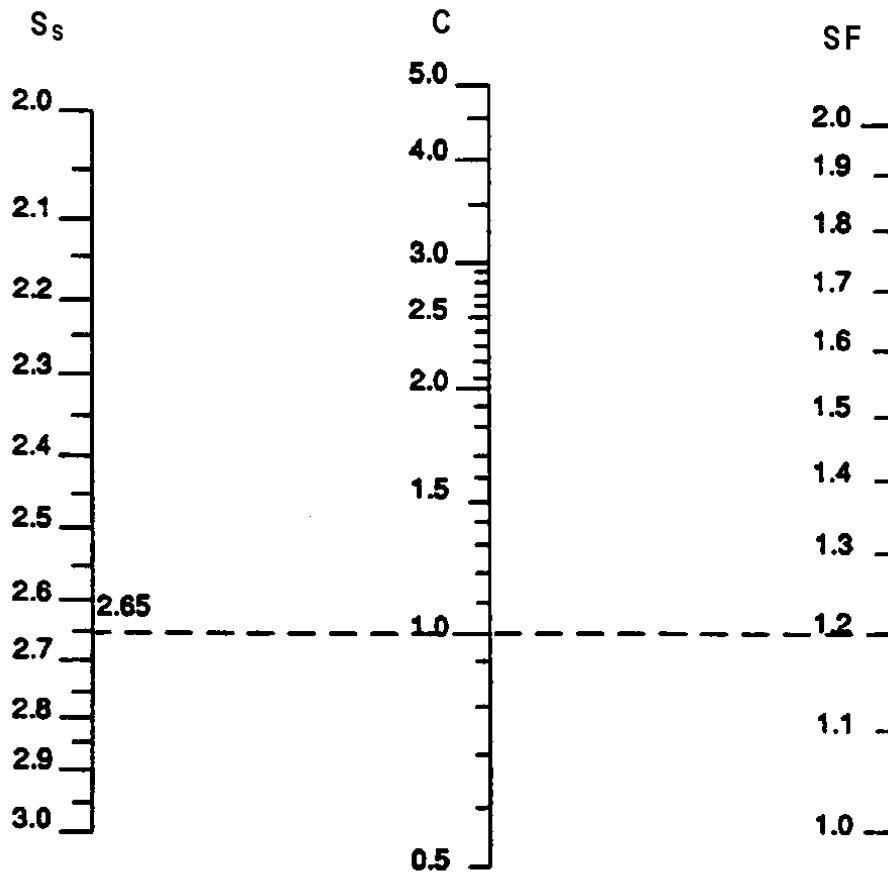## Appendix 7E-5   Correction Factor for Riprap Size

$$C = 1.61\ SF^{1.5}/(S_S - 1)^{1.5}$$

$C = D_{50}$ CORRECTION FACTOR
SF = STABILITY FACTOR
S_S = SPECIFIC GRAVITY OF ROCK

S_S

2.0
2.1
2.2
2.3
2.4
2.5
2.6 — 2.65
2.7
2.8
2.9
3.0

C

5.0
4.0
3.0
2.5
2.0
1.5
1.0
0.5

SF

2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0

Example:

Given:
S_S = 2.65
SF = 1.2

Solution:
C = 1.0

Source: HEC-11
Comment: $S_s = S_g$ (text)