

Table 1. Wave height attenuation for different vegetation parameters (vegetation height = 3 m; stem dia = 0.3 m).

Sr. No.	Density (no. of stems/m ²)	C _d	Average wave height reduction (%)
1	0.175	0.2	47.25
2		0.4	49.14
3		0.5	49.93
4		0.6	50.76
5		0.8	52.08
6		1.0	53.27
7		1.5	55.69
8		3.0	60.60
9	0.2	0.2	47.55
10		0.4	49.72
11		0.5	50.53
12		0.6	51.33
13		0.8	52.79
14		1.0	54.03
15		1.5	56.54
16		3.0	61.58
17	0.25	0.2	48.17
18		0.4	50.51
19		0.5	51.52
20		0.6	52.37
21		0.8	54.01
22		1.0	55.26
23		1.5	58.02
24		3.0	63.28
25	0.3	0.2	48.61
26		0.4	51.31
27		0.5	52.43
28		0.6	53.44
29		0.8	55.04
30		1.0	56.63
31		1.5	59.40
32		3.0	64.68
33	0.35	0.2	49.14
34		0.4	52.08
35		0.5	53.27
36		0.6	54.31
37		0.8	56.07
38		1.0	57.51

39	1.5	60.60
40	3.0	65.96

Table 2. Wave height attenuation for different C_d values and constant vegetation parameters (vegetation height = 3 m; density = 0.175).

Sr. No.	Stem diameter (m)	C_d	Average wave height reduction (%)
1	0.1	0.2	45.60
2		0.4	46.38
3		0.5	46.82
4		0.6	47.25
5		0.8	47.84
6		1.0	48.54
7		1.5	49.93
8		3.0	53.27
1	0.2	0.2	46.38
2		0.4	47.84
3		0.5	48.54
4		0.6	49.14
5		0.8	50.20
6		1.0	51.14
7		1.5	53.27
8		3.0	57.51