

ClassNo	Description	Narrow/Wide	FP	CP	RP	Coastal/Fluvial	Type	Material	Descriptions taken from the classification routine:	Overtopping type (used to obtain overtopping discharge for fluvial defences)	Hard/soft defence (used to determine maximum length)
1	Type 1, FP, Gabions	Narrow	Y			Fluv	Vertical Wall	Gabion			hard
2	Type 1, CP, Gabions	Narrow	Y	Y		Fluv	Vertical Wall	Gabion			hard
3	Type 1, RP, Gabions	Narrow	Y	Y	Y	Fluv	Vertical Wall	Gabion			hard
4	Type 1, FP, B&M	Narrow	Y			Fluv	Vertical Wall	Brick & Masonry or Concrete	masonry or concrete (poured) Or concrete (precast) Or concrete (piling) Or rock		hard
5	Type 1, CP, B&M	Narrow	Y	Y		Fluv	Vertical Wall	Brick & Masonry or Concrete	masonry or concrete (poured) Or concrete (precast) Or concrete (piling) Or rock		hard
6	Type 1, RP, B&M	Narrow	Y	Y	Y	Fluv	Vertical Wall	Brick & Masonry or Concrete	masonry or concrete (poured) Or concrete (precast) Or concrete (piling) Or rock		hard
7	Type 1, FP, Piles	Narrow	Y			Fluv	Vertical Wall	Sheet Piles	piling		hard
8	Type 1, CP, Piles	Narrow	Y	Y		Fluv	Vertical Wall	Sheet Piles			hard
9	Type 1, RP, Piles	Narrow	Y	Y	Y	Fluv	Vertical Wall	Sheet Piles			hard
10	Type 2, FP, Turf	Narrow				Fluv	Slopes or Embankments	Turf	Turfed embankment (DEFAULT FLUVIAL DEFENCE) (where no info on defence's elements and defence's main asset type = raised defence (man-made) or 'other')		soft
11	Type 2, FP, Rigid	Narrow	Y			Fluv	Slopes or Embankments	Rigid	stone (granulated) Or concrete (granulated) Or stone (worked)		hard
12	Type 2, CP, Rigid	Narrow	Y	Y		Fluv	Slopes or Embankments	Rigid	stone (granulated) Or concrete (granulated) Or stone (worked)		hard
13	Type 2, RP, Rigid	Narrow	Y	Y	Y	Fluv	Slopes or Embankments	Rigid	stone (granulated) Or concrete (granulated) Or stone (worked)		hard
14	Type 2, FP, Rip-rap	Narrow	Y			Fluv	Slopes or Embankments	Rip-rap	stone (unworked) Or stone (worked)		hard
15	Type 2, CP, Rip-rap	Narrow	Y	Y		Fluv	Slopes or Embankments	Rip-rap			hard
16	Type 2, RP, Rip-rap	Narrow	Y	Y	Y	Fluv	Slopes or Embankments	Rip-rap	stone (unworked) Or stone (worked)		hard
17	Type 2, FP, Flexible	Narrow	Y			Fluv	Slopes or Embankments	Flexible	asphalt Or bituminised aggregate Or foundry slag Or plastic or concrete (precast)		hard
18	Type 2, CP, Flexible	Narrow	Y	Y		Fluv	Slopes or Embankments	Flexible			hard
19	Type 2, RP, Flexible	Narrow	Y	Y	Y	Fluv	Slopes or Embankments	Flexible	asphalt Or bituminised aggregate Or foundry slag Or plastic or concrete (precast)		hard
20	Type 3, High Ground	-				Fluv	High Ground		High ground, also where no info on defence's elements and defence's main asset type = "raised coastal defence (natural)" or "raised defence (natural)"		hard
21	Type 4, Culverts	-				Fluv	Culvert		Culvert, also where no info on defence's elements and defence's main asset type = "culverted channel"		hard
22	Type 5, FP, Piles	Narrow	Y			Coas	Vertical walls	Sheet piles		vertical	hard
23	Type 5, CP, Piles	Narrow	Y	Y		Coas	Vertical walls	Sheet piles		vertical	hard
24	Type 5, RP, Piles	Narrow	Y	Y	Y	Coas	Vertical walls	Sheet piles		vertical	hard
25	Type 5, FP, Conc	Narrow	Y			Coas	Vertical walls	Concrete		vertical	hard
26	Type 5, CP, Conc	Narrow	Y	Y		Coas	Vertical walls	Concrete		vertical	hard
27	Type 5, RP, Conc	Narrow	Y	Y	Y	Coas	Vertical walls	Concrete		vertical	hard
28	Type 5, FP, B&M	Narrow	Y			Coas	Vertical walls	Brick & Masonry		vertical	hard
29	Type 5, CP, B&M	Narrow	Y	Y		Coas	Vertical walls	Brick & Masonry		vertical	hard
30	Type 5, RP, B&M	Narrow	Y	Y	Y	Coas	Vertical walls	Brick & Masonry		vertical	hard
31	Type 6, FP, Perm	Narrow	Y			Coas	Dykes or embankments	Permeable revetment	foundry slag Or "trees" Or "turf"	embankment	soft
32	Type 6, CP, Perm	Narrow	Y	Y		Coas	Dykes or embankments	Permeable revetment	foundry slag Or "trees" Or "turf"	embankment	soft
33	Type 6, RP, Perm	Narrow	Y	Y	Y	Coas	Dykes or embankments	Permeable revetment	foundry slag Or "trees" Or "turf"	embankment	soft
34	Type 6, FP, Imperm	Narrow	Y			Coas	Dykes or embankments	Impermeable revetment	DEFAULT COASTAL DEFENCE (also set to this when no info on defence's elements and defence's main asset type = "raised coastal defence (man-made) or 'other'")	embankment	soft
35	Type 6, CP, Imperm	Narrow	Y	Y		Coas	Dykes or embankments	Impermeable revetment	any other material on face(inward)	embankment	hard
36	Type 6, RP, Imperm	Narrow	Y	Y	Y	Coas	Dykes or embankments	Impermeable revetment	any other material on face(inward)	embankment	hard
37	Type 7, Dune	-				Coas	Beaches		Sand Beach	shingle	soft
38	Type 7, Shingle	-				Coas	Beaches		Shingle Beach	shingle	soft
39	Type 1, W, FP, Gabions	Wide	Y			Fluv	Vertical Wall	Gabions			hard
40	Type 1, W, CP, Gabions	Wide	Y	Y		Fluv	Vertical Wall	Gabions			hard
41	Type 1, W, FP, B&M	Wide	Y			Fluv	Vertical Wall	Brick & Masonry or Concrete			hard
42	Type 1, W, CP, B&M	Wide	Y	Y		Fluv	Vertical Wall	Brick & Masonry or Concrete			hard
43	Type 1, W, FP, Piles	Wide	Y			Fluv	Vertical Wall	Sheet piles			hard
44	Type 1, W, CP, Piles	Wide	Y	Y		Fluv	Vertical Wall	Sheet piles			hard
45	Type 2, W, FP, Turf	Wide				Fluv	Slopes or Embankments	Turf			soft
46	Type 2, W, FP, Rigid	Wide	Y			Fluv	Slopes or Embankments	Rigid			hard
47	Type 2, W, CP, Rigid	Wide	Y	Y		Fluv	Slopes or Embankments	Rigid			hard
48	Type 2, W, FP, Rip-rap	Wide	Y			Fluv	Slopes or Embankments	Rip-rap			hard
49	Type 2, W, CP, Rip-rap	Wide	Y	Y		Fluv	Slopes or Embankments	Rip-rap			hard
50	Type 2, W, FP, Flexible	Wide	Y			Fluv	Slopes or Embankments	Flexible			hard
51	Type 2, W, CP, Flexible	Wide	Y	Y		Fluv	Slopes or Embankments	Flexible			hard
52	Type 5, W, FP, Piles	Wide	Y			Coas	Vertical walls	Sheet piles		vertical	hard
53	Type 5, W, CP, Piles	Wide	Y	Y		Coas	Vertical walls	Sheet piles		vertical	hard
54	Type 5, W, FP, Conc	Wide	Y			Coas	Vertical walls	Concrete		vertical	hard
55	Type 5, W, CP, Conc	Wide	Y	Y		Coas	Vertical walls	Concrete		vertical	hard
56	Type 5, W, FP, B&M	Wide	Y			Coas	Vertical walls	Brick & Masonry		vertical	hard
57	Type 5, W, CP, B&M	Wide	Y	Y		Coas	Vertical walls	Brick & Masonry		vertical	hard
58	Type 6, W, FP, Perm	Wide	Y			Coas	Dykes or embankments	Permeable revetment	foundry slag Or "trees" Or "turf"	embankment	soft
59	Type 6, W, CP, Perm	Wide	Y	Y		Coas	Dykes or embankments	Permeable revetment	foundry slag Or "trees" Or "turf"	embankment	soft
60	Type 6, W, FP, Imperm	Wide	Y			Coas	Dykes or embankments	Impermeable revetment	any other material on face(inward)	embankment	hard
61	Type 6, W, CP, Imperm	Wide	Y	Y		Coas	Dykes or embankments	Impermeable revetment	any other material on face(inward)	embankment	hard