



Coastal Construction Manual

FORMULA CALCULATOR

11.1 Design Stillwater Flood Depth

E_{sw}:		d_s:	ft
d_{ws}:			
GS:			

$$d_s = E_{sw} + d_{ws} - GS$$

d_s = design stillwater flood depth (feet)

E_{sw} = design stillwater flood elevation in feet above datum (e.g., NGVD, NAVD)

d_{ws} = wave setup in feet

GS = lowest eroded ground elevation, in feet above datum, adjacent to building, excluding effects of localized scour around pilings