



Coastal Construction Manual

FORMULA CALCULATOR

13.1 Pile Driving Resistance for Drop Hammer Piledrivers

W :		Q_{all}=	ft
H :			
S :			

$$Q_{all} = 2WH/(S+1)$$

Q_{all} = design stillwater flood depth (feet)

W = weight of the striking parts of the hammer in lb

H = effective height of the fall in ft

S = average net penetration, given as in per blow for the last 6 in of driving