

Appendix 13A-2

Symbols

<u>Symbol</u>	<u>Definition</u>	<u>Units</u>
D_{50}	Mean spherical diameter of the 50% size stone	ft
d_s	Maximum water depth at toe of rock slope protection or bar	ft
H	Wave height	ft
H_b	Design wave height	ft
H_s	Significant (design) wave height	ft
H_1	Average design wave height for highest 1%	ft
H_{10}	Average design wave height for highest 10%	ft
Sg_r	Specific gravity of stone	-
Sg_w	Specific gravity of water	-
W	Minimum weight of outside stones for no damage	tons
W_{50}	Weight of the 50% size stone	lbs
α	Angle of face slope from the horizontal	deg
ρ	70° for randomly placed rubble	deg
θ	Angle of embankment with respect to the horizontal	deg