



# Coastal Construction Manual

## FORMULA CALCULATOR

### 11.10a Localized Scour Around Vertical Pile

<b>a:</b>		<b>S<sub>max</sub> =</b>	<b>ft</b>
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(Non-Tsunami Condition)

$$S_{max} = 2.0a$$

**S<sub>max</sub>** = maximum localized scour depth in feet

**a** = diameter of round foundation element, or the maximum diagonal cross-section dimension for a rectangular element