

**TABLE 4-3  
SUMMARY OF OCEANOGRAPHIC DESIGN CRITERIA**

Parameter	1-Year Return Period (Typical Period)	100-Year Return Period
Surface Currents	2 knots (2.3 mph) (east or west)	3 to 4 knots (3.4 to 4.6 mph) (east or west)
Water Level Elevation	East wind set-down = -1 foot MLLW West wind set-up = +2 feet MLLW	-2 feet MLLW +4 feet MLLW (offshore) +6 feet MLLW (nearshore)
Waves Offshore	$H_S = 8$ feet $T_{Peak} = 7$ seconds	$H_S = 20$ feet $T_{Peak} = 11$ seconds
Waves Nearshore	$H_S, T_{Peak}$ vary with water depth	$H_S, T_{Peak}$ vary with water depth

Notes:      $H_S$      =     Significant wave height  
                $MLLW$  =     Mean lower low water  
                $T_{Peak}$  =     Peak wave period

Source:     BPXA, 1997b:Table 2.1-2