

Table 4.7. Predicting wave size for mature and fully developed seas, using significant wave height

Wind conditions			Probable wave size		Wave period (sec)
Speed (knots)	Duration (hrs)	Fetch (nautical miles)	Significant Wave Height (m)	Highest 10% of waves (m)	
10	3	510	0.55	0.70	3
10	40	510	0.55	0.70	3
10	40	920	0.55	0.70	2.8
10	60	510	0.55	0.70	3
25	3	510	4.0	5.1	7.9
25	40	510	4.0	5.1	7.9
25	40	920	4.0	5.1	7.9
25	60	510	4.3	5.4	8.2
50	3	510	3.8	4.8	7.6
50	40	510	10.7	13.6	13.2
50	40	920	11.0	14.0	13.3
50	60	510	10.7	13.6	13.2

Values adapted from WaveCalculator 1.1 by Jay A. Albrecht, National Weather Service Forecast Office, April 29, 2011.