



Figure 2: The model results of significant wave vectors with the new attenuator for the large wave/wind conditions (25 knots SW wind) and contours of Hs differences with versus without attenuator.

For the purposes of comparison of the wave model results of the new marina configuration with the marina as originally proposed, the results from the modelling study in 2009 are presented in Table 2.

Table 2: Summary of the significant wave height results over all directions and the partial Hs values for the primary and secondary peaks in the directional wave spectra (corresponding primarily to the reflected energy off the shoreline and the previous (2009) Marina configuration for before and after development).

Site	Full direction (0 - 360 deg)		Primary (incoming waves) Peak						Secondary (Reflected Waves) Peak					
	Hs (m) without attenuator	Hs (m) with attenuator	Without attenuator			With attenuator			Without attenuator			With attenuator		
			Direction range (deg)	Peak Direction (towards)	Hs (m) partial	Direction range (deg)	Peak Direction (towards)	Hs (m) partial	Direction range (deg)	Peak Direction	Hs (m) partial	Direction range (deg)	Peak Direction (towards)	Hs (m) partial
1	0.38	0.43	310 - 170	NE	0.38	350 - 210	NE	0.37	170 - 310	W	0.04	210 - 350	NW	0.21
2	0.33	0.38	270 - 130	ENE	0.31	270 - 130	ENE	0.30	130 - 270	SW	0.12	130 - 270	S	0.23
3	0.29	0.29	270 - 130	ENE	0.26	250 - 110	ENE	0.25	130 - 270	S	0.12	110 - 250	SE	0.15
4	0.28	0.27	280 - 140	ENE	0.25	270 - 130	ENE	0.25	140 - 280	S	0.11	130 - 270	SSE	0.09
5	0.25	0.24	280 - 140	E	0.24	270 - 130	E	0.23	140 - 280	S	0.08	130 - 270	SSE	0.07
6	0.31	0.34	290 - 150	ENE	0.28	290 - 150	ENE	0.27	150 - 290	SW	0.12	150 - 290	S	0.21