

Table S1 Post-earthquake algal cover expressed as the percentage of pre-earthquake values for 12 sites on the Kaikōura coast. Data show the minimum values recorded over three post-quake sampling campaigns during the period to 18-months post-quake in which algal mortality was occurring at variable rates. The average percentage cover of four algal classes (brown, red, corallines, green) was recorded (species by species and then grouped) in 1 m² quadrats sampled at random positions throughout the algal-dominated mid- and low intertidal zones. The total cover value can sum to > 100% due to layering and overlapping of algal species.

Site	Coordinates (WGS84)		Post-quake algal cover as percentage of pre-earthquake values (%)				
	X	Y	Brown	Red	Coralline	Green	Total
Oaro South	173.5054366	-42.5226367	66	69	73	149	79
Oaro North	173.5080324	-42.5165183	82	87	82	165	100
Shark Tooth North*	173.6914398	-42.4356525	16	121	23	588	73
Shark Tooth South	173.690683	-42.4328186	6	24	9	275	52
First Bay	173.7159516	-42.4251374	38	299	24	306	55
Wairepo	173.7119037	-42.4200986	5	41	7	100	10
Omihi North	173.5250354	-42.4885951	2	9	1	641	11
Omihi South*	173.5225126	-42.4926815	2	38	3	1482	17
Ōkiwi North	173.8709615	-42.2174891	6	134	38	709	39
Waipapa South*	173.877159	-42.2096143	16	92	21	1366	44
Waipapa Lagoon	173.8775657	-42.2045148	2	7	1	359	3
Waipapa North*	173.8779818	-42.2032321	6	114	27	637	63

*pre-earthquake algal cover estimated from nearby sites