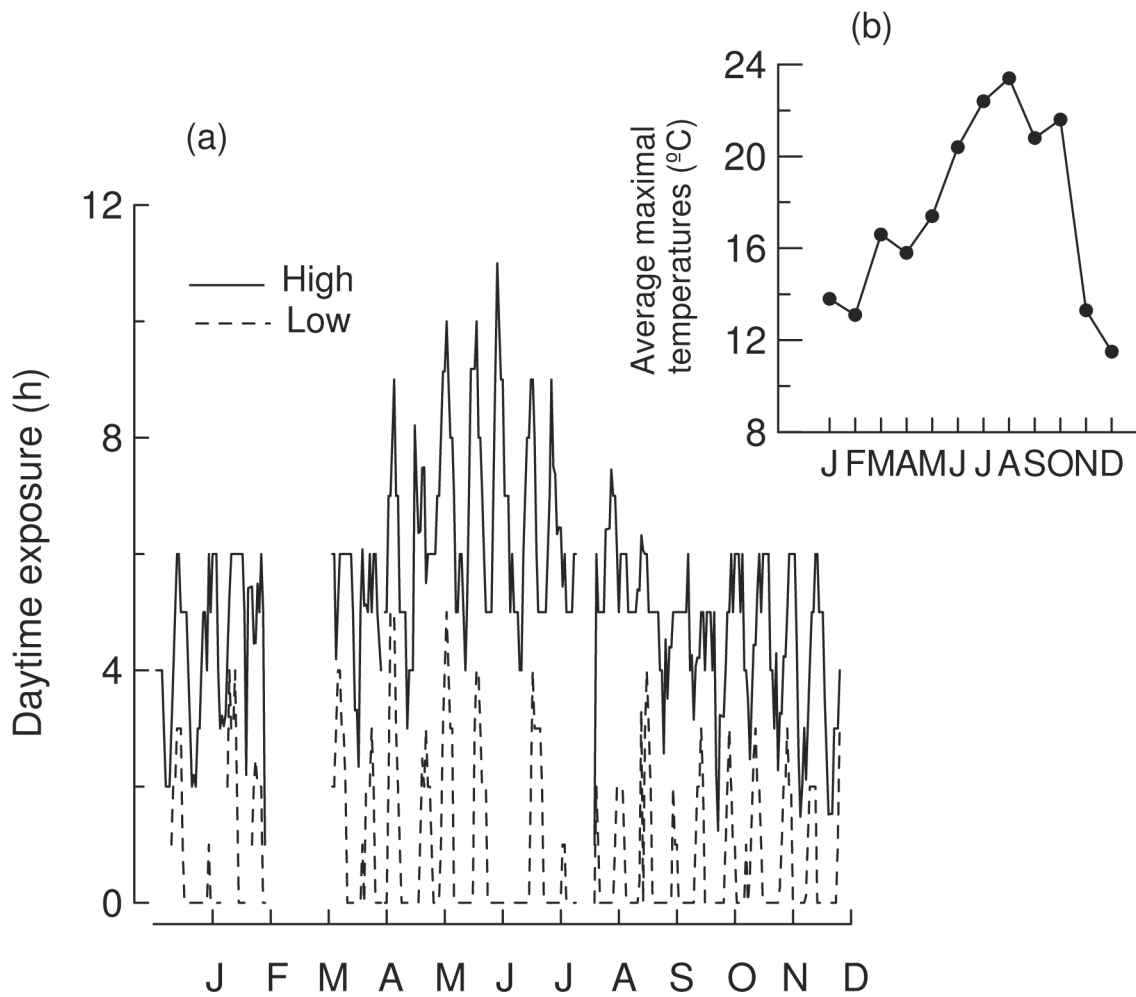


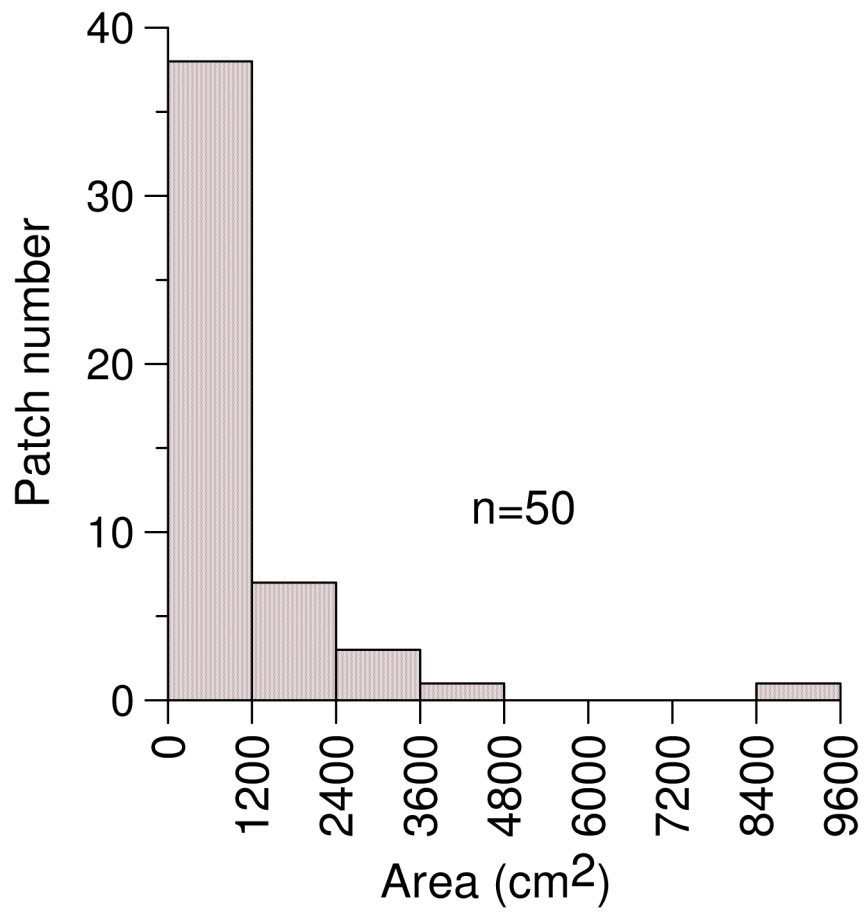
Appendix 1

(a) Daytime exposure of experimental tidal levels High and Low at Artedo from 1 January to 31 December 2001. Exposure was calculated using real average tidal levels per hour in the study area. (b) Average maximal air temperatures during the same period (data from the nearest meteorological station, Ranón airport, 43°33'N, 06°01'W).



Appendix 2

Size frequency distribution of naturally perturbed areas in the studied location.



Appendix 3

List of taxonomic groups present in experimental plots at different tidal heights and time of clearings (Summer trial, ST, Winter trial, WT). Nomenclature follows Guiry and Guiry (2006). AlgaeBase ver. 4.2. World-wide electronic publication, Natl Univ. of Ireland, Galway. <http://www.algaebase.org>; searched on 01 December 2006.

	High		Mid-high		Mid-low		Low	
	ST	WT	ST	WT	ST	WT	ST	WT
ANIMALIA								
Annelida -Spirorbidae						X		
Crustacea- Cirripedia (<i>Chthamalus</i> spp.)	X	X						
PROTISTA								
Rhodophyta								
<i>Porphyra</i> spp.	X	X	X	X	X	X		X
<i>Erythrotrichia carnea</i>		X		X				
<i>Audouinella daviesii</i>		X	X	X	X	X	X	X
<i>Gelidium pusillum</i>	X	X	X	X	X	X	X	X
<i>Nemalion vermiculare</i>				X				
<i>Asparagopsis armata</i>								X
<i>Plocamium cartilagineum</i>								X
<i>Gigartina pistillata</i>						X	X	X
<i>Chondrus crispus</i>					X			
<i>Chondrachantus acicularis</i>			X	X	X	X	X	X
<i>Mastocarpus stellatus</i>	X	X	X	X	X	X	X	X
<i>Calliblepharis jubata</i>								X
<i>Gymnogongrus griffithsiae</i>					X	X		
<i>Ahnfeltia plicata</i>						X		
<i>Champia parvula</i>					X	X	X	X
<i>Chylocladia verticillata</i>								X
<i>Gastroclonium ovatum</i>					X	X	X	X
<i>Lomentaria articulata</i>			X	X	X	X	X	X
Ceramiaceae ¹		X	X	X	X	X	X	X
<i>Halurus equisetifolius</i>			X	X	X	X		X
Erect coralline		X	X	X	X	X	X	X
Coralline crusts ²	X	X	X	X	X	X	X	X
Delesseriaceae			X	X		X	X	X
Rhodomelaceae ³			X	X	X	X	X	X
<i>Chondria coerulescens</i>					X	X	X	X
<i>Laurencia</i> sp.						X		X
<i>Osmundea pinnatifida</i>			X	X	X	X	X	X
<i>Ophidocladus simpliciusculus</i>			X			X	X	X
Chlorophyta								
<i>Cladophora</i> spp.	X	X	X	X		X	X	X
<i>Ulva</i> (foliose forms)	X	X	X	X	X	X	X	X
<i>Ulva</i> (filamentous forms)	X	X	X	X	X	X	X	X
<i>Bryopsis plumosa</i>							X	X
<i>Codium adhaerens</i>			X		X		X	X
<i>C. tomentosum</i>					X		X	
Heterokontophyta								
<i>Dictyota dichotoma</i>			X		X			X
<i>Sphacelaria fusca</i>		X	X	X	X	X	X	X
<i>Cladostephus spongiosus</i>			X		X		X	X
<i>Stypocaulon scoparium</i> (L.)			X		X	X	X	X
<i>Colpomenia peregrina</i>			X			X	X	
<i>Scytosiphon lomentaria</i>					X	X	X	X
<i>Petalonia fascia</i>			X	X	X	X	X	X
<i>Fucus vesiculosus</i>	X	X	X	X	X	X	X	X
<i>Himantalia elongata</i>		X	X	X	X	X	X	X
<i>Sargassum muticum</i>					X	X	X	X
<i>Cystoseira baccata</i>					X	X	X	X
<i>C. tamariscifolia</i>							X	X

<i>Bifurcaria bifurcata</i>					X	X	X	
<i>Saccorbiza polyschides</i>							X	X
Soft crusts ⁴	X	X	X	X	X	X	X	X
Cyanophyta		X		X				

¹ We grouped several species from the genera *Ceramium* and *Aglaothamnion* as well as the species *Crouania attenuata*, *Antithamnion cruciatum* and *Callithamnion granulatum*.

² Coralline crusts were mostly composed by *Lithophyllum incrustans*, *Mesophyllum lichenoides* and *Phymatolithon* sp.

³ We grouped the species *Pterosiphonia complanata*, *Boergeseniella thuyoides* and *Polysiphonia* spp.

⁴ Soft crusts were mostly composed by *Ralfsia verrucosa* and the prostrate tetrasporophyte of *Mastocarpus stellatus*, referred to as "Petrocelis"

Appendix 4

ANOVA for differences between treatments (CO vs -C), Tidal levels (High, Mid-low and Low) and Trials (Summer, Winter) in total cover of accompanying species, (a) 10 months after starting removal of canopy-forming species, n = 6, (b) September 2003, n = 5. Homogeneous variances.

	DF	(a) 10 months			p	DF	(b) September 2003		
		MS	F				MS	F	p
Treatment (T)	1	6875.53	22.40	<0.001	1	3013.56	9.95	0.003	
Level (L)	2	767.65	2.50	0.090	2	3331.57	11.00	<0.001	
Trial (Tri)	1	562.56	1.83	0.181	1	550.61	1.82	0.184	
T × L	2	1102.32	3.59	0.034	2	785.38	2.59	0.086	
T × Tri	1	1547.74	5.04	0.028	1	242.59	0.80	0.376	
L × Tri	2	336.91	1.10	0.340	2	164.85	0.54	0.584	
T × L × Tri	2	882.82	2.89	0.064	2	27.25	0.09	0.914	
Residual	60	306.89			47 ⁽¹⁾	303.02			

⁽¹⁾ One missing replicate was replaced by the mean of the group and 1 DF subtracted from Residual