

## An analysis of the macroalgal $\delta^{13}\text{C}$ variability in the Gulf of California

Roberto Velázquez-Ochoa<sup>a</sup>, María Julia Ochoa-Izaguirre<sup>b</sup>, Martín F. Soto-Jiménez<sup>c\*</sup>

**Table S1. Data set of  $\delta^{13}\text{C}$  values analyzed in macroalgae collected in the Gulf of California.**

<b>GCE site</b>	<b>Site name</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Coastline GC</b>	<b>Ecosystem</b>
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-92	Oceanica	23.33194	-106.484	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-8	Playa Las Glorias	25.45722	-108.514	Continental	C2
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-41	Playa Guadalupe	27.12667	-110.184	Continental	C1
GC-43-B	Bahía de Lobos	27.25667	-110.418	Continental	C3
GC-43-B	Bahía de Lobos	27.25667	-110.418	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-130	Estero los tanques	30.46889	-112.874	Continental	C3
GC-41	Playa Guadalupe	27.12667	-110.184	Continental	C1
GC-130	Estero los tanques	30.46889	-112.874	Continental	C3
GC-129	Santo Tomás	30.7625	-113.106	Continental	C3
GC-129	Santo Tomás	30.7625	-113.106	Continental	C3
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-136	Yavaros planta industrial	26.69528	-109.555	Continental	C2
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-46	Playa el Maviri	25.58222	-109.124	Continental	C2
GC-41	Playa Guadalupe	27.12667	-110.184	Continental	C1
GC-43-B	Bahía de Lobos	27.25667	-110.418	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1

GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-26	Agiabampo	26.35889	-109.155	Continental	C2
GC-18	Laguna el colorado	25.755	-109.316	Continental	C2
GC-18	Laguna el colorado	25.755	-109.316	Continental	C2
GC-136	Yavaros planta industrial	26.69528	-109.555	Continental	C2
GC-129	Santo Tomás	30.7625	-113.106	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-178	Las Bocas	26.59	-109.341	Continental	C2
GC-178	Las Bocas	26.59	-109.341	Continental	C2
GC-178	Las Bocas	26.59	-109.341	Continental	C2
GC-178	Las Bocas	26.59	-109.341	Continental	C2
GC-178	Las Bocas	26.59	-109.341	Continental	C2
GC-178	Las Bocas	26.59	-109.341	Continental	C2
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-136	Yavaros planta industrial	26.69528	-109.555	Continental	C2
GC-136	Yavaros planta industrial	26.69528	-109.555	Continental	C2
GC-43-B	Bahía de Lobos	27.25667	-110.418	Continental	C3
GC-43-B	Bahía de Lobos	27.25667	-110.418	Continental	C3
GC-180	Malecon, (viejo kino)	28.82072	-111.941	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-127	Cetmar	31.29378	-113.522	Continental	C3
GC-127	Cetmar	31.29378	-113.522	Continental	C3
GC-181	Malecon, Puerto Peñasco	31.30216	-113.552	Continental	C3
GC-181	Malecon, Puerto Peñasco	31.30216	-113.552	Continental	C3
GC-182	Playa Hermosa	31.31191	-113.549	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-92	Oceanica	23.33194	-106.484	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1

GC-178	Las Bocas	26.59	-109.341	Continental	C2
GC-178	Las Bocas	26.59	-109.341	Continental	C2
GC-43-B	Bahía de Lobos	27.25667	-110.418	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-100	Aticama	21.48075	-105.201	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-2	Celestino Gazca	23.76222	-106.884	Continental	C2
GC-46	Playa el Maviri	25.58222	-109.124	Continental	C2
GC-46	Playa el Maviri	25.58222	-109.124	Continental	C2
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-136	Yavaros planta industrial	26.69528	-109.555	Continental	C2
GC-41	Playa Guadalupe	27.12667	-110.184	Continental	C1
GC-41	Playa Guadalupe	27.12667	-110.184	Continental	C1
GC-36	Playa san José	27.115	-110.131	Continental	C1
GC-43	Playa Esperanza	27.25667	-110.418	Continental	C3
GC-43	Playa Esperanza	27.25667	-110.418	Continental	C3
GC-134	Puerto de Guaymas al lado de la termc	27.92528	-110.868	Continental	C3
GC-134	Puerto de Guaymas al lado de la termc	27.92528	-110.868	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-130	Estero los tanques	30.46889	-112.874	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-178	Las Bocas	26.59	-109.341	Continental	C2
GC-178	Las Bocas	26.59	-109.341	Continental	C2
GC-179	Antigua thermo, Guaymas	27.92612	-110.867	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3

GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-100	Aticama	21.48075	-105.201	Continental	C1
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-92	Oceanica	23.33194	-106.484	Continental	C1
GC-92	Oceanica	23.33194	-106.484	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-135	Cochórit	27.89532	-110.693	Continental	C3
GC-134	Puerto de Guaymas al lado de la termc	27.92528	-110.868	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-127	Cetmar	31.29378	-113.522	Continental	C3
GC-127	Cetmar	31.29378	-113.522	Continental	C3
GC-127	Cetmar	31.29378	-113.522	Continental	C3
GC-127	Cetmar	31.29378	-113.522	Continental	C3
GC-181	Malecon, Puerto Peñasco	31.30216	-113.552	Continental	C3
GC-181	Malecon, Puerto Peñasco	31.30216	-113.552	Continental	C3
GC-182	Playa Hermosa	31.31191	-113.549	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-182	Playa Hermosa	31.31191	-113.549	Continental	C3
GC-43-B	Bahía de Lobos	27.25667	-110.418	Continental	C3
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1

GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-92	Oceanica	23.33194	-106.484	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-41	Playa Guadalupe	27.12667	-110.184	Continental	C1
GC-135	Cochórit	27.89532	-110.693	Continental	C3
GC-43	Playa Esperanza	27.25667	-110.418	Continental	C3
GC-134	Puerto de Guaymas al lado de la termc	27.92528	-110.868	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-128	Playa Dorada	31.25611	-113.313	Continental	C3
GC-129	Santo Tomás	30.7625	-113.106	Continental	C3
GC-180	Malecon, (viejo kino)	28.82072	-111.941	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-127	Cetmar	31.29378	-113.522	Continental	C3
GC-127	Cetmar	31.29378	-113.522	Continental	C3
GC-182	Playa Hermosa	31.31191	-113.549	Continental	C3
GC-182	Playa Hermosa	31.31191	-113.549	Continental	C3
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-30	Las Bocas	26.59	-109.341	Continental	C2
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-41	Playa Guadalupe	27.12667	-110.184	Continental	C1
GC-41	Playa Guadalupe	27.12667	-110.184	Continental	C1
GC-36	Playa san José	27.115	-110.131	Continental	C1
GC-36	Playa san José	27.115	-110.131	Continental	C1
GC-43-B	Bahía de Lobos	27.25667	-110.418	Continental	C3
GC-135	Cochórit	27.89532	-110.693	Continental	C3
GC-135	Cochórit	27.89532	-110.693	Continental	C3
GC-135	Cochórit	27.89532	-110.693	Continental	C3
GC-135	Cochórit	27.89532	-110.693	Continental	C3
GC-43	Playa Esperanza	27.25667	-110.418	Continental	C3
GC-43	Playa Esperanza	27.25667	-110.418	Continental	C3
GC-43	Playa Esperanza	27.25667	-110.418	Continental	C3
GC-134	Puerto de Guaymas al lado de la termc	27.92528	-110.868	Continental	C3
GC-134	Puerto de Guaymas al lado de la termc	27.92528	-110.868	Continental	C3

GC-134	Puerto de Guaymas al lado de la termc	27.92528	-110.868	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-128	Playa Dorada	31.25611	-113.313	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-179	Antigua thermo, Guaymas	27.92612	-110.867	Continental	C3
GC-180	Malecon, Guaymas	27.92166	-110.888	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-182	Playa Hermosa	31.31191	-113.549	Continental	C3
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-26	Agiabampo	26.35889	-109.155	Continental	C2
GC-46	Playa el Maviri	25.58222	-109.124	Continental	C2
GC-46	Playa el Maviri	25.58222	-109.124	Continental	C2
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-136	Yavaros planta industrial	26.69528	-109.555	Continental	C2
GC-136	Yavaros planta industrial	26.69528	-109.555	Continental	C2
GC-130	Estero los tanques	30.46889	-112.874	Continental	C3
GC-130	Estero los tanques	30.46889	-112.874	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-128	Playa Dorada	31.25611	-113.313	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-100	Aticama	21.48075	-105.201	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-43-B	Bahía de Lobos	27.25667	-110.418	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3



GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-181	Malecon, Puerto Peñasco	31.30216	-113.552	Continental	C3
GC-100	Aticama	21.48075	-105.201	Continental	C1
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-104	Los cocos	21.48683	-105.198	Continental	C1
GC-146	Teacapan	22.47	-105.695	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-97	El Faro	23.1775	-106.425	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-96	Los pinitos	23.20806	-106.428	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-94	Cerritos	23.30806	-106.493	Continental	C1
GC-93	La Escopama	23.33167	-106.499	Continental	C1
GC-95	Valentinos	23.30806	-106.493	Continental	C1
GC-2	Celestino Gazca	23.76222	-106.884	Continental	C2
GC-31	Santa Barbara (campo pesquero)	26.69222	-109.579	Continental	C2
GC-136	Yavaros planta industrial	26.69528	-109.555	Continental	C2
GC-41	Playa Guadalupe	27.12667	-110.184	Continental	C1
GC-41	Playa Guadalupe	27.12667	-110.184	Continental	C1
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-133	San Carlos	27.95778	-111.037	Continental	C3
GC-130	Estero los tanques	30.46889	-112.874	Continental	C3



GC-130	Estero los tanques	30.46889	-112.874	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-132	Playa Estela	28.86667	-112.197	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-129	Santo Tomás	30.7625	-113.106	Continental	C3
GC-129	Santo Tomás	30.7625	-113.106	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-126	Bahía la cholla	31.34306	-113.633	Continental	C3
GC-131	Puerto Libertad	29.91083	-112.697	Continental	C3
GC-127	Cetmar	31.29378	-113.522	Continental	C3
GC-182	Playa Hermosa	31.31191	-113.549	Continental	C3
GC-182	Playa Hermosa	31.31191	-113.549	Continental	C3
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-65	El Saladito muestra de agua de mar	23.28972	-109.435	Peninsular	P1
GC-63	Las Lisas	23.07444	-109.456	Peninsular	P1
GC-72	Playa Bahía de los sueños	23.99333	-109.827	Peninsular	P1
GC-90	Playa Balandra	24.32121	-110.326	Peninsular	P1
GC-57	Playa El Tesoro	24.25417	-110.181	Peninsular	P1
GC-53	Playa San Juan	24.36639	-110.681	Peninsular	P1
GC-56	Playa Tecolote	24.33611	-110.317	Peninsular	P1
GC-54	Punta Coyote	24.68056	-110.723	Peninsular	P1
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-75-B	Playa Liguí	25.74278	-111.26	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-108	San Rafael	28.57361	-113.121	Peninsular	P3
GC-114	Alfonsina	29.7925	-114.414	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-122	Santa María	30.73056	-114.7	Peninsular	P3
GC-57	Playa El Tesoro	24.25417	-110.181	Peninsular	P1

GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-124	San Felipe (junto al faro)	31.02472	-114.831	Peninsular	P3
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-75-B	Playa Ligui	25.74278	-111.26	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-108	San Rafael	28.57361	-113.121	Peninsular	P3
GC-109	Bahía de Los Angeles E1	28.90472	-113.533	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-114	Alfonsina	29.7925	-114.414	Peninsular	P3
GC-115	El Bufo	29.90722	-114.439	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-120	El puertito (curvina)	30.36923	-114.64	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-91	El sausoso	24.31111	-110.641	Peninsular	P1
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-55	El Saladito	24.43972	-110.689	Peninsular	P1
GC-91	El sausoso	24.31111	-110.641	Peninsular	P1
GC-63	Las Lisas	23.07444	-109.456	Peninsular	P1
GC-51	Playa Cagete	24.25194	-110.607	Peninsular	P1
GC-57	Playa El Tesoro	24.25417	-110.181	Peninsular	P1
GC-53	Playa San Juan	24.36639	-110.681	Peninsular	P1
GC-53	Playa San Juan	24.36639	-110.681	Peninsular	P1
GC-54	Punta Coyote	24.68056	-110.723	Peninsular	P1
GC-54	Punta Coyote	24.68056	-110.723	Peninsular	P1
GC-68	Rio San José	23.06111	-109.686	Peninsular	P1
GC-68	Rio San José	23.06111	-109.686	Peninsular	P1
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-76	Notri	25.87778	-111.342	Peninsular	P2

GC-75-B	Playa Ligui	25.74278	-111.26	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-75	Puerto Escondido	25.78167	-111.309	Peninsular	P2
GC-75	Puerto Escondido	25.78167	-111.309	Peninsular	P2
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-85	Playa El burro	26.73278	-111.907	Peninsular	P3
GC-84	Playa santispac	26.76472	-111.889	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-80	San Lucas	27.22056	-112.213	Peninsular	P3
GC-107	El Puerto (a 2km de San Francisquito)	28.40528	-112.862	Peninsular	P3
GC-109	Bahía de Los Angeles E1	28.90472	-113.533	Peninsular	P3
GC-110	Bahía de Los Angeles E2	28.95139	-113.56	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-114	Alfonsina	29.7925	-114.414	Peninsular	P3
GC-116	Campo los Delfines	29.95306	-114.503	Peninsular	P3
GC-122	Santa María	30.73056	-114.7	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-57	Playa El Tesoro	24.25417	-110.181	Peninsular	P1
GC-57	Playa El Tesoro	24.25417	-110.181	Peninsular	P1
GC-56	Playa Tecolote	24.33611	-110.317	Peninsular	P1
GC-86	Playa Requeson	26.63639	-111.829	Peninsular	P2
GC-85	Playa El burro	26.73278	-111.907	Peninsular	P3
GC-75-B	Playa Ligui	25.74278	-111.26	Peninsular	P2
GC-86	Playa Requeson	26.63639	-111.829	Peninsular	P2
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-121	El coloradito	30.59744	-114.679	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-72	Playa Bahía de los sueños	23.99333	-109.827	Peninsular	P1
GC-90	Playa Balandra	24.32121	-110.326	Peninsular	P1
GC-56	Playa Tecolote	24.33611	-110.317	Peninsular	P1

GC-54	Punta Coyote	24.68056	-110.723	Peninsular	P1
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-86-B	Playa La Huertita	26.57917	-111.786	Peninsular	P2
GC-75-B	Playa Liguí	25.74278	-111.26	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-85	Playa El burro	26.73278	-111.907	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-109	Bahía de Los Angeles E1	28.90472	-113.533	Peninsular	P3
GC-114	Alfonsina	29.7925	-114.414	Peninsular	P3
GC-118	Playa Julia Ochoa	30.2025	-114.667	Peninsular	P3
GC-113	Bahía de Calamajue	29.69083	-114.16	Peninsular	P3
GC-116	Campo los Delfines	29.95306	-114.503	Peninsular	P3
GC-115	El Bufeo	29.90722	-114.439	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-119	La costillita	30.20806	-114.668	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-55	El Saladito	24.43972	-110.689	Peninsular	P1
GC-65	El Saladito muestra de agua de mar	23.28972	-109.435	Peninsular	P1
GC-91	El sausoso	24.31111	-110.641	Peninsular	P1
GC-63	Las Lisas	23.07444	-109.456	Peninsular	P1
GC-60	Los Barriles playa (Boca del rio)	23.6975	-109.699	Peninsular	P1
GC-72	Playa Bahía de los sueños	23.99333	-109.827	Peninsular	P1
GC-72	Playa Bahía de los sueños	23.99333	-109.827	Peninsular	P1
GC-51	Playa Cagete	24.25194	-110.607	Peninsular	P1
GC-53	Playa San Juan	24.36639	-110.681	Peninsular	P1
GC-54	Punta Coyote	24.68056	-110.723	Peninsular	P1
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-76	Notri	25.87778	-111.342	Peninsular	P2
GC-86-B	Playa La Huertita	26.57917	-111.786	Peninsular	P2
GC-75-B	Playa Liguí	25.74278	-111.26	Peninsular	P2
GC-86	Playa Requeson	26.63639	-111.829	Peninsular	P2
GC-86	Playa Requeson	26.63639	-111.829	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2

GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-75	Puerto Escondido	25.78167	-111.309	Peninsular	P2
GC-75	Puerto Escondido	25.78167	-111.309	Peninsular	P2
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-85	Playa El burro	26.73278	-111.907	Peninsular	P3
GC-85	Playa El burro	26.73278	-111.907	Peninsular	P3
GC-85	Playa El burro	26.73278	-111.907	Peninsular	P3
GC-84	Playa santispac	26.76472	-111.889	Peninsular	P3
GC-84	Playa santispac	26.76472	-111.889	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-80	San Lucas	27.22056	-112.213	Peninsular	P3
GC-80	San Lucas	27.22056	-112.213	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-106	San Francisquito	28.40972	-112.858	Peninsular	P3
GC-108	San Rafael	28.57361	-113.121	Peninsular	P3
GC-108	San Rafael	28.57361	-113.121	Peninsular	P3
GC-109	Bahía de Los Angeles E1	28.90472	-113.533	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-114	Alfonsina	29.7925	-114.414	Peninsular	P3
GC-114	Alfonsina	29.7925	-114.414	Peninsular	P3
GC-118	Playa Julia Ochoa	30.2025	-114.667	Peninsular	P3
GC-113	Bahía de Calamajue	29.69083	-114.16	Peninsular	P3
GC-116	Campo los Delfines	29.95306	-114.503	Peninsular	P3
GC-116	Campo los Delfines	29.95306	-114.503	Peninsular	P3
GC-116	Campo los Delfines	29.95306	-114.503	Peninsular	P3
GC-115	El Bufo	29.90722	-114.439	Peninsular	P3
GC-115	El Bufo	29.90722	-114.439	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-120	El puertito (curvina)	30.36923	-114.64	Peninsular	P3
GC-120	El puertito (curvina)	30.36923	-114.64	Peninsular	P3
GC-119	La costillita	30.20806	-114.668	Peninsular	P3
GC-121	El coloradito	30.59744	-114.679	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1



GC-107	El Puerto (a 2km de San Francisquito)	28.40528	-112.862	Peninsular	P3
GC-107	El Puerto (a 2km de San Francisquito)	28.40528	-112.862	Peninsular	P3
GC-106	San Francisquito	28.40972	-112.858	Peninsular	P3
GC-109	Bahía de Los Angeles E1	28.90472	-113.533	Peninsular	P3
GC-109	Bahía de Los Angeles E1	28.90472	-113.533	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-114	Alfonsina	29.7925	-114.414	Peninsular	P3
GC-114	Alfonsina	29.7925	-114.414	Peninsular	P3
GC-118	Playa Julia Ochoa	30.2025	-114.667	Peninsular	P3
GC-118	Playa Julia Ochoa	30.2025	-114.667	Peninsular	P3
GC-113	Bahía de Calamajue	29.69083	-114.16	Peninsular	P3
GC-113	Bahía de Calamajue	29.69083	-114.16	Peninsular	P3
GC-116	Campo los Delfines	29.95306	-114.503	Peninsular	P3
GC-116	Campo los Delfines	29.95306	-114.503	Peninsular	P3
GC-116	Campo los Delfines	29.95306	-114.503	Peninsular	P3
GC-115	El Bufeo	29.90722	-114.439	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-119	La costillita	30.20806	-114.668	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-106	San Francisquito	28.40972	-112.858	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-108	San Rafael	28.57361	-113.121	Peninsular	P3
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-57	Playa El Tesoro	24.25417	-110.181	Peninsular	P1
GC-57	Playa El Tesoro	24.25417	-110.181	Peninsular	P1
GC-75-B	Playa Ligui	25.74278	-111.26	Peninsular	P2
GC-75-B	Playa Ligui	25.74278	-111.26	Peninsular	P2
GC-86	Playa Requeson	26.63639	-111.829	Peninsular	P2
GC-86	Playa Requeson	26.63639	-111.829	Peninsular	P2
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-85	Playa El burro	26.73278	-111.907	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3

GC-80	San Lucas	27.22056	-112.213	Peninsular	P3
GC-80	San Lucas	27.22056	-112.213	Peninsular	P3
GC-106	San Francisquito	28.40972	-112.858	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-107	El Puerto (a 2km de San Francisquito)	28.40528	-112.862	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-108	San Rafael	28.57361	-113.121	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-109	Bahía de Los Angeles E1	28.90472	-113.533	Peninsular	P3
GC-115	El Bufo	29.90722	-114.439	Peninsular	P3
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-55	El Saladito	24.43972	-110.689	Peninsular	P1
GC-91	El sausoso	24.31111	-110.641	Peninsular	P1
GC-91	El sausoso	24.31111	-110.641	Peninsular	P1
GC-51	Playa Cagete	24.25194	-110.607	Peninsular	P1
GC-53	Playa San Juan	24.36639	-110.681	Peninsular	P1
GC-54	Punta Coyote	24.68056	-110.723	Peninsular	P1
GC-54	Punta Coyote	24.68056	-110.723	Peninsular	P1
GC-54	Punta Coyote	24.68056	-110.723	Peninsular	P1
GC-54	Punta Coyote	24.68056	-110.723	Peninsular	P1
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-77	Loreto	26.01417	-111.34	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2



GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-81	San bruno	27.16333	-112.163	Peninsular	P3
GC-80	San Lucas	27.22056	-112.213	Peninsular	P3
GC-80	San Lucas	27.22056	-112.213	Peninsular	P3
GC-80	San Lucas	27.22056	-112.213	Peninsular	P3
GC-80	San Lucas	27.22056	-112.213	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-106	San Francisquito	28.40972	-112.858	Peninsular	P3
GC-108	San Rafael	28.57361	-113.121	Peninsular	P3
GC-108	San Rafael	28.57361	-113.121	Peninsular	P3
GC-108	San Rafael	28.57361	-113.121	Peninsular	P3

GC-108	San Rafael	28.57361	-113.121	Peninsular	P3
GC-109	Bahía de Los Angeles E1	28.90472	-113.533	Peninsular	P3
GC-110	Bahía de Los Angeles E2	28.95139	-113.56	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-111	Bahía de Los Angeles E3	28.96917	-113.546	Peninsular	P3
GC-112	La Gringa	29.04866	-113.53	Peninsular	P3
GC-114	Alfonsina	29.7925	-114.414	Peninsular	P3
GC-113	Bahía de Calamajue	29.69083	-114.16	Peninsular	P3
GC-116	Campo los Delfines	29.95306	-114.503	Peninsular	P3
GC-115	El Bufeo	29.90722	-114.439	Peninsular	P3
GC-115	El Bufeo	29.90722	-114.439	Peninsular	P3
GC-115	El Bufeo	29.90722	-114.439	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-121	El coloradito	30.59744	-114.679	Peninsular	P3
GC-121	El coloradito	30.59744	-114.679	Peninsular	P3
GC-121	El coloradito	30.59744	-114.679	Peninsular	P3
GC-121	El coloradito	30.59744	-114.679	Peninsular	P3
GC-121	El coloradito	30.59744	-114.679	Peninsular	P3
GC-121	El coloradito	30.59744	-114.679	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-123	Punta estrella	30.91167	-114.714	Peninsular	P3
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-91	El sausoso	24.31111	-110.641	Peninsular	P1
GC-57	Playa El Tesoro	24.25417	-110.181	Peninsular	P1
GC-53	Playa San Juan	24.36639	-110.681	Peninsular	P1
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2
GC-83	Mulegé	26.90389	-111.956	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-79	Frente a mina de Soledad	27.37222	-112.292	Peninsular	P3
GC-116	Campo los Delfines	29.95306	-114.503	Peninsular	P3
GC-115	El Bufeo	29.90722	-114.439	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3
GC-121	El coloradito	30.59744	-114.679	Peninsular	P3
GC-74	Bahía de La Paz	24.16444	-110.315	Peninsular	P1
GC-87	Playa San Brunito	26.21611	-111.379	Peninsular	P2

GC-82	Punta chivato	27.03944	-112.001	Peninsular	P3
GC-105	El Barril	28.30222	-112.889	Peninsular	P3
GC-117	El Huerfanito	30.01472	-114.619	Peninsular	P3

<b>Season</b>	<b>Hydrodynamic</b>	<b>Substrate type</b>	<b>DO (mg/L)</b>	<b>Temp (°C)</b>	<b>Temp group</b>
Dry	High	Rocky shore	8.7	27.6	HighT
Dry	High	Rocky shore	8.7	27.6	HighT
Dry	High	Rocky shore	8.7	27.6	HighT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	Medium	Sandy-rock	9.4	28.5	HighT
Dry	Medium	Sandy-rock	9.4	28.5	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	High	Sandy-rock	8.0	26.5	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	Medium	Sandy-rock	7.0	25.1	HighT
Dry	High	Sandy-rock	8.0	26.6	HighT
Dry	High	Sandy-rock	8.5	28.3	HighT
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	Medium	Sandy-rock	8.6	22.1	MediumT
Dry	Medium	Sandy-rock	8.7	20.4	MediumT
Dry	High	Sandy-rock	8.0	28.3	HighT
Dry	Medium	Sandy-rock	8.7	20.4	MediumT
Dry	Medium	Sandy-rock	8.8	23.8	MediumT
Dry	Medium	Sandy-rock	8.8	23.8	MediumT
Rain	Medium	Sandy-rock	7.5	25.4	HighT
Rain	Medium	Sandy-rock	8.0	24.5	MediumT
Rain	High	Rocky shore	8.0	25.4	HighT
Dry	Medium	Sandy-rock	8.5	25.0	MediumT
Dry	High	Sandy-rock	8.5	28.3	HighT
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	Medium	Sandy-rock	8.6	22.1	MediumT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Rain	High	Rocky shore	7.6	30.4	HighT
Rain	High	Rocky shore	8.0	25.4	HighT
Rain	Medium	Sandy-rock	7.5	26.7	HighT
Rain	Medium	Rocky shore	7.6	30.9	HighT
Rain	Medium	Rocky shore	7.6	30.9	HighT
Dry	High	Rocky shore	8.7	27.6	HighT
Dry	High	Rocky shore	8.7	27.6	HighT

Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	Medium	Sandy-rock	9.4	28.5	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Rain	High	Rocky shore	7.6	29.3	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	Medium	Sandy-rock	8.1	24.8	MediumT
Dry	Medium	Sandy-rock	8.0	24.9	MediumT
Dry	Medium	Sandy-rock	8.0	24.9	MediumT
Dry	Medium	Sandy-rock	9.0	24.2	MediumT
Dry	Medium	Sandy-rock	8.8	23.8	MediumT
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Rain	Medium	Sandy-rock	7.6	28.8	HighT
Rain	High	Rocky shore	7.6	30.4	HighT
Rain	High	Rocky shore	7.6	30.4	HighT
Rain	High	Sandy-rock	7.7	28.2	HighT
Rain	High	Sandy-rock	7.7	28.2	HighT
Rain	High	Sandy-rock	7.7	28.2	HighT
Rain	High	Sandy-rock	7.7	28.2	HighT
Rain	High	Sandy-rock	7.7	28.2	HighT
Rain	High	Sandy-rock	7.7	28.2	HighT
Rain	Medium	Sandy-rock	7.5	25.4	HighT
Rain	Medium	Sandy-rock	8.2	24.5	MediumT
Rain	Medium	Sandy-rock	7.9	24.5	MediumT
Rain	Medium	Rocky shore	8.2	24.1	MediumT
Rain	Medium	Rocky shore	8.2	24.1	MediumT
Rain	Medium	Sandy-rock	7.8	22.6	MediumT
Rain	High	Rocky shore	8.0	25.4	HighT
Rain	Medium	Rocky shore	7.8	24.4	MediumT
Rain	Medium	Rocky shore	7.8	24.4	MediumT
Rain	High	Rocky shore	7.3	24.7	MediumT
Rain	High	Rocky shore	7.3	24.7	MediumT
Rain	Medium	Rocky shore	7.3	25.4	HighT
Rain	Medium	Rocky shore	7.3	25.4	HighT
Rain	High	Sandy-rock	7.3	24.8	MediumT
Rain	Medium	Sandy-rock	7.3	25.2	HighT
Rain	Medium	Rocky shore	7.6	30.9	HighT
Rain	High	Rocky shore	7.6	29.3	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	High	Sandy-rock	8.0	26.5	HighT
Rain	High	Rocky shore	7.6	30.4	HighT

Rain	High	Sandy-rock	7.7	28.2	HighT
Rain	High	Sandy-rock	7.7	28.2	HighT
Rain	Medium	Rocky shore	8.2	24.1	MediumT
Rain	Medium	Rocky shore	7.8	24.4	MediumT
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Rain	Medium	Sandy-rock	7.5	26.7	HighT
Rain	Medium	Sandy-rock	7.5	26.7	HighT
Rain	Medium	Sandy-rock	7.5	26.7	HighT
Rain	Medium	Sandy-rock	7.6	28.8	HighT
Dry	Medium	Sandy-rock	8.0		
Dry	Medium	Sandy-rock	9.4	28.5	HighT
Dry	Medium	Sandy-rock	9.4	28.5	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Rain	Medium	Sandy-rock	7.5	25.4	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	High	Sandy-rock	7.4	26.2	HighT
Dry	Medium	Sandy-rock	8.5	25.0	MediumT
Dry	Medium	Sandy-rock	8.5	25.0	MediumT
Dry	High	Sandy-rock	8.0	26.6	HighT
Dry	High	Sandy-rock	8.0	26.6	HighT
Dry	Medium	Sandy-rock	9.0	24.2	MediumT
Dry	High	Sandy-rock	8.5	28.3	HighT
Dry	High	Sandy-rock	8.5	28.3	HighT
Dry	High	Sandy-rock	7.6	23.1	MediumT
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	Medium	Rocky shore	8.4	24.3	MediumT
Dry	Medium	Rocky shore	8.4	24.3	MediumT
Dry	Medium	Sandy-rock	8.6	22.1	MediumT
Dry	Medium	Sandy-rock	8.7	20.4	MediumT
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Rain	High	Rocky shore	8.0	25.4	HighT
Rain	Medium	Sandy-rock	7.5	26.7	HighT
Rain	Medium	Sandy-rock	7.5	26.7	HighT
Rain	Medium	Rocky shore	7.6	30.9	HighT
Rain	Medium	Rocky shore	7.6	30.9	HighT
Rain	High	Rocky shore	7.6	29.3	HighT
Rain	Medium	Rocky shore	7.6	28.8	HighT
Rain	High	Rocky shore	7.6	30.4	HighT
Rain	High	Sandy-rock	7.7	28.2	HighT
Rain	High	Sandy-rock	7.7	28.2	HighT
Rain	Medium	Sandy-rock	7.9	25.4	HighT
Rain	High	Rocky shore	8.0	25.4	HighT
Rain	High	Rocky shore	8.0	25.4	HighT

Rain	High	Rocky shore	8.0	25.4	HighT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	Medium	Sandy-rock	9.4	28.5	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Rain	Medium	Rocky shore	7.8	24.4	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	8.0	27.8	HighT
Dry	Medium	Sandy-rock	8.0	27.8	HighT
Dry	High	Rocky shore	8.7	27.6	HighT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	High	Sandy-rock	8.0	26.5	HighT
Dry	High	Sandy-rock	8.0	26.5	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	Medium	Sandy-rock	7.5	27.4	HighT
Dry	Medium	Rocky shore	8.4	24.3	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Rain	High	Rocky shore	7.3	24.7	MediumT
Rain	High	Rocky shore	7.3	24.7	MediumT
Rain	High	Rocky shore	7.3	24.7	MediumT
Rain	High	Rocky shore	7.3	24.7	MediumT
Rain	Medium	Rocky shore	7.3	25.4	HighT
Rain	Medium	Rocky shore	7.3	25.4	HighT
Rain	High	Sandy-rock	7.3	24.8	MediumT
Rain	Medium	Sandy-rock	7.3	25.2	HighT
Rain	Medium	Sandy-rock	7.3	25.2	HighT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Rain	Medium	Rocky shore	7.6	30.9	HighT
Rain	High	Rocky shore	7.6	29.3	HighT
Rain	High	Rocky shore	7.6	30.4	HighT
Rain	High	Sandy-rock	7.3	24.8	MediumT
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	High	Rocky shore	8.7	27.6	HighT
Dry	High	Rocky shore	8.7	27.6	HighT
Dry	High	Rocky shore	8.7	27.6	HighT
Dry	High	Sandy-rock	9.2	29.5	HighT

Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	Medium	Sandy-rock	9.4	28.5	HighT
Dry	Medium	Sandy-rock	9.4	28.5	HighT
Dry	Medium	Sandy-rock	9.4	28.5	HighT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	High	Sandy-rock	8.0	26.5	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	High	Sandy-rock	8.1	28.8	HighT
Dry	High	Sandy-rock	8.5	28.3	HighT
Dry	Medium	Sandy-rock	7.5	27.4	HighT
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	Medium	Rocky shore	8.4	24.3	MediumT
Dry	Medium	Sandy-rock	8.6	22.1	MediumT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	9.0		
Dry	Medium	Sandy-rock	8.8	23.8	MediumT
Rain	Medium	Sandy-rock	7.8	22.6	MediumT
Rain	High	Rocky shore	8.0	25.4	HighT
Rain	High	Rocky shore	7.3	24.7	MediumT
Rain	High	Rocky shore	7.3	24.7	MediumT
Rain	High	Sandy-rock	7.3	24.8	MediumT
Rain	High	Sandy-rock	7.3	24.8	MediumT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	High	Sandy-rock	8.0	24.3	MediumT
Dry	High	Sandy-rock	8.0	26.6	HighT
Dry	High	Sandy-rock	8.0	26.6	HighT
Dry	High	Sandy-rock	8.5	28.3	HighT
Dry	High	Sandy-rock	8.5	28.3	HighT
Dry	High	Sandy-rock	7.6	23.1	MediumT
Dry	High	Sandy-rock	7.6	23.1	MediumT
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	Medium	Sandy-rock	7.5	27.4	HighT
Dry	Medium	Sandy-rock	7.5	27.4	HighT
Dry	Medium	Sandy-rock	7.5	27.4	HighT
Dry	Medium	Sandy-rock	7.5	27.4	HighT
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	Medium	Sandy-rock	7.7	19.9	Low T
Dry	Medium	Rocky shore	8.4	24.3	MediumT
Dry	Medium	Rocky shore	8.4	24.3	MediumT



Dry	Medium	Rocky shore	8.4	24.3	MediumT
Dry	Medium	Sandy-rock	8.6	22.1	MediumT
Dry	Medium	Sandy-rock	8.6	22.1	MediumT
Dry	Medium	Sandy-rock	8.6	22.1	MediumT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	9.0	21.0	MediumT
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Rain	High	Rocky shore	7.6	29.3	HighT
Rain	Medium	Sandy-rock	7.6	28.8	HighT
Rain	Medium	Sandy-rock	7.5	25.4	HighT
Rain	Medium	Sandy-rock	7.5	25.4	HighT
Rain	Medium	Sandy-rock	7.9	25.4	HighT
Rain	Medium	Rocky shore	7.9	25.4	HighT
Rain	High	Rocky shore	8.0	25.4	HighT
Rain	High	Rocky shore	8.0	25.4	HighT
Rain	Medium	Rocky shore	7.8	24.4	MediumT
Rain	High	Sandy-rock	7.3	24.8	MediumT
Dry	High	Sandy-rock	8.2	29.0	HighT
Dry	Medium	Sandy-rock	8.1	24.8	MediumT
Dry	Medium	Sandy-rock	8.5	25.0	MediumT
Dry	Medium	Sandy-rock	8.5	25.0	MediumT
Dry	High	Sandy-rock	8.0	26.6	HighT
Dry	High	Sandy-rock	8.0	26.6	HighT
Dry	Medium	Sandy-rock	9.0	24.2	MediumT
Dry	Medium	Sandy-rock	9.0	24.2	MediumT
Dry	Medium	Sandy-rock	8.7	20.4	MediumT
Dry	Medium	Sandy-rock	8.7	20.4	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	9.0	21.0	MediumT
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Dry	Medium	Sandy-rock	8.0	27.8	HighT
Dry	High	Sandy-rock	9.2	29.5	HighT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Rain	Medium	Rocky shore	7.6	30.9	HighT
Rain	High	Rocky shore	7.6	29.3	HighT
Rain	High	Rocky shore	7.6	29.3	HighT
Rain	High	Rocky shore	7.6	29.3	HighT
Rain	High	Rocky shore	7.6	30.4	HighT
Rain	Medium	Rocky shore	8.2	24.1	MediumT
Rain	High	Rocky shore	8.0	25.4	HighT





Dry	Medium	Sandy-rock	8.7	20.4	MediumT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Dry	Medium	Sandy-rock	8.7	21.6	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Dry	Medium	Sandy-rock	8.8	23.8	MediumT
Dry	Medium	Sandy-rock	9.0	23.8	MediumT
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Dry	Medium	Sandy-rock	10.1	17.4	Low T
Dry	Medium	Sandy-rock	8.7	21.2	MediumT
Rain	High	Rocky shore	7.3	24.7	MediumT
Rain	High	Sandy-rock	7.3	24.8	MediumT
Rain	High	Sandy-rock	7.3	24.8	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Rocky shore	9.0	24.4	MediumT
Dry	High	Rocky shore	9.0	23.7	MediumT
Dry	Medium	Sandy-rock	9.0	27.0	HighT
Dry	Medium	Sandy-rock	11.9	18.3	Low T
Dry	Medium	Sandy-rock	8.7	21.4	MediumT
Dry	Medium	Sandy-rock	9.0	23.7	MediumT
Dry	Medium	Sandy-rock	9.0	26.4	HighT
Dry	Medium	Sandy-rock	9.0	24.0	MediumT
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	Medium	Sandy-rock	12.4	21.2	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Sandy-rock	12.7	19.2	Low T
Dry	Medium	Sandy-rock	8.6	22.2	MediumT
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	Medium	Sandy-rock	9.7	24.6	MediumT
Dry	Medium	Sandy-rock	9.0	21.4	MediumT

Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	High	Sandy-rock	10.4	24.4	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	Medium	Sandy-rock	12.4	21.2	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Sandy-rock	12.7	19.2	Low T
Dry	Medium	Sandy-rock	10.9	22.5	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.6	22.2	MediumT
Dry	Medium	Sandy-rock	8.4	22.3	MediumT
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	High	Rocky shore	9.0	18.5	Low T
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Rocky shore	9.0	24.4	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Rocky shore	9.0	24.4	MediumT
Dry	Medium	Rocky shore	9.0	24.4	MediumT
Dry	High	Rocky shore	8.7	23.0	MediumT
Dry	Medium	Sandy-rock	8.0	24.0	MediumT
Dry	Medium	Sandy-rock	8.0	23.4	MediumT
Dry	Medium	Sandy-rock	8.0	24.6	MediumT
Dry	Medium	Sandy-rock	8.0	24.6	MediumT
Dry	Medium	Sandy-rock	8.0	24.6	MediumT
Dry	Medium	Sandy-rock	8.0	24.0	MediumT
Dry	Medium	Sandy-rock	8.0	26.4	HighT
Dry	Medium	Sandy-rock	8.0	26.4	HighT
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	Medium	Sandy-rock	9.0	25.0	HighT

Dry	Medium	Sandy-rock	12.4	21.2	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Rocky shore	11.7	23.3	MediumT
Dry	Medium	Rocky shore	11.7	23.3	MediumT
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	10.1	25.5	HighT
Dry	Medium	Sandy-rock	12.6	23.8	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	Medium	Sandy-rock	9.5	24.3	MediumT
Dry	Medium	Sandy-rock	10.0	26.4	HighT
Dry	Medium	Sandy-rock	10.9	22.5	MediumT
Dry	Medium	Sandy-rock	8.9	24.3	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.6	22.2	MediumT
Dry	Medium	Sandy-rock	8.2	23.4	MediumT
Dry	Medium	Sandy-rock	9.7	24.6	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Sandy-rock	9.6	21.4	MediumT
Dry	Medium	Sandy-rock	9.6	21.4	MediumT
Dry	Medium	Sandy-rock	9.0	26.4	HighT
Dry	Medium	Sandy-rock	11.4	24.3	MediumT
Dry	Medium	Sandy-rock	10.1	25.5	HighT
Dry	Medium	Sandy-rock	12.4	21.2	MediumT
Dry	Medium	Sandy-rock	11.4	24.3	MediumT
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	High	Rocky shore	9.7	24.6	MediumT
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Sandy-rock	9.0	27.0	HighT
Dry	Medium	Sandy-rock	11.9	18.3	Low T
Dry	Medium	Sandy-rock	9.0	26.4	HighT

Dry	Medium	Sandy-rock	9.6		
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	Medium	Sandy-rock	9.0	23.6	MediumT
Dry	Medium	Sandy-rock	12.4	21.2	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	10.1	25.5	HighT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	Medium	Sandy-rock	10.9	22.5	MediumT
Dry	Medium	Sandy-rock	8.6	22.2	MediumT
Dry	Medium	Sandy-rock	9.6	24.0	MediumT
Dry	High	Rocky shore	8.7	20.6	MediumT
Dry	Medium	Sandy-rock	8.2	23.4	MediumT
Dry	Medium	Sandy-rock	8.4	22.3	MediumT
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	High	Rocky shore	9.6	24.2	MediumT
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Rocky shore	9.0	24.4	MediumT
Dry	Medium	Rocky shore	9.0	24.4	MediumT
Dry	Medium	Rocky shore	9.0	24.4	MediumT
Dry	High	Rocky shore	8.6	23.0	MediumT
Dry	Medium	Sandy-rock	9.0	24.1	MediumT
Dry	Medium	Sandy-rock	9.0	27.0	HighT
Dry	Medium	Sandy-rock	9.0	27.0	HighT
Dry	Medium	Sandy-rock	8.6	24.3	MediumT
Dry	Medium	Sandy-rock	8.6	24.5	MediumT
Dry	Medium	Sandy-rock	10.0	24.3	MediumT
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	Medium	Sandy-rock	9.0	25.0	HighT
Dry	Medium	Sandy-rock	9.0	23.6	MediumT
Dry	Medium	Sandy-rock	12.4	21.2	MediumT
Dry	Medium	Sandy-rock	11.4	24.3	MediumT
Dry	Medium	Sandy-rock	11.4	24.3	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT

Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Rocky shore	11.7	23.3	MediumT
Dry	Medium	Rocky shore	11.7	23.3	MediumT
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	10.1	25.5	HighT
Dry	Medium	Sandy-rock	10.1	25.5	HighT
Dry	Medium	Sandy-rock	10.1	25.5	HighT
Dry	Medium	Sandy-rock	12.6	23.8	MediumT
Dry	Medium	Sandy-rock	12.6	23.8	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	Medium	Sandy-rock	9.5	24.3	MediumT
Dry	Medium	Sandy-rock	9.5	24.3	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Sandy-rock	11.2	15.8	Low T
Dry	Medium	Sandy-rock	12.7	19.2	Low T
Dry	Medium	Sandy-rock	12.7	19.2	Low T
Dry	Medium	Sandy-rock	10.9	22.5	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.6	22.2	MediumT
Dry	Medium	Sandy-rock	8.6	22.2	MediumT
Dry	Medium	Sandy-rock	9.6	24.0	MediumT
Dry	High	Rocky shore	8.7	20.6	MediumT
Dry	Medium	Sandy-rock	9.2	23.4	MediumT
Dry	Medium	Sandy-rock	9.2	23.4	MediumT
Dry	Medium	Sandy-rock	9.2	23.4	MediumT
Dry	Medium	Sandy-rock	8.4	22.3	MediumT
Dry	Medium	Sandy-rock	8.4	22.3	MediumT
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	High	Rocky shore	9.0	18.5	Low T
Dry	High	Rocky shore	9.0	18.5	Low T
Dry	High	Rocky shore	9.6	24.2	MediumT
Dry	High	Rocky shore	9.7	24.6	MediumT
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT



Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Rocky shore	9.0	24.4	MediumT
Dry	Medium	Rocky shore	9.0	24.4	MediumT
Dry	High	Sandy-rock	8.0	23.9	MediumT
Dry	High	Sandy-rock	8.0	23.8	MediumT
Dry	Medium	Sandy-rock	9.0	24.3	MediumT
Dry	Medium	Sandy-rock	9.0	25.1	HighT
Dry	Medium	Sandy-rock	9.0	25.1	HighT
Dry	Medium	Sandy-rock	9.0	25.1	HighT
Dry	High	Sandy-rock	11.1	19.1	Low T
Dry	Medium	Sandy-rock	9.0	25.0	HighT
Dry	Medium	Sandy-rock	9.0	23.6	MediumT
Dry	Medium	Sandy-rock	12.4	21.2	MediumT
Dry	Medium	Sandy-rock	11.4	24.3	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Rocky shore	11.7	23.3	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	10.1	25.5	HighT
Dry	Medium	Sandy-rock	10.1	25.5	HighT
Dry	Medium	Sandy-rock	10.1	25.5	HighT
Dry	Medium	Sandy-rock	12.6	23.8	MediumT
Dry	Medium	Sandy-rock	12.6	23.8	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	Medium	Sandy-rock	9.5	24.3	MediumT
Dry	Medium	Sandy-rock	9.5	24.3	MediumT
Dry	Medium	Sandy-rock	9.5	24.3	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT

Dry	Medium	Sandy-rock	10.0	15.8	Low T
Dry	Medium	Sandy-rock	10.0	15.8	Low T
Dry	Medium	Sandy-rock	11.2	15.8	Low T
Dry	Medium	Sandy-rock	10.9	22.5	MediumT
Dry	Medium	Sandy-rock	10.9	22.5	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.6	22.2	MediumT
Dry	Medium	Sandy-rock	8.6	22.2	MediumT
Dry	Medium	Sandy-rock	9.6	24.0	MediumT
Dry	Medium	Sandy-rock	9.6	24.0	MediumT
Dry	High	Rocky shore	8.7	20.6	MediumT
Dry	High	Rocky shore	8.7	20.6	MediumT
Dry	Medium	Sandy-rock	8.2	23.4	MediumT
Dry	Medium	Sandy-rock	8.2	23.4	MediumT
Dry	Medium	Sandy-rock	8.2	23.4	MediumT
Dry	Medium	Sandy-rock	8.4	22.3	MediumT
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	High	Rocky shore	9.6	24.2	MediumT
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Sandy-rock	11.2	15.8	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	12.7	19.2	Low T
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Sandy-rock	9.0	21.4	MediumT
Dry	Medium	Sandy-rock	8.0	21.4	MediumT
Dry	Medium	Sandy-rock	12.4	21.2	MediumT
Dry	Medium	Sandy-rock	12.4	21.2	MediumT
Dry	Medium	Sandy-rock	11.4	24.3	MediumT
Dry	Medium	Sandy-rock	11.4	24.3	MediumT
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	10.1	25.5	HighT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT



Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	High	Rocky shore	12.0	22.7	MediumT
Dry	Medium	Sandy-rock	9.5	24.3	MediumT
Dry	Medium	Sandy-rock	9.5	24.3	MediumT
Dry	Medium	Sandy-rock	9.5	24.3	MediumT
Dry	Medium	Sandy-rock	9.5	24.3	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Sandy-rock	11.2	15.8	Low T
Dry	Medium	Sandy-rock	12.7	19.2	Low T
Dry	Medium	Sandy-rock	12.7	19.2	Low T
Dry	Medium	Sandy-rock	12.7	19.2	Low T

Dry	Medium	Sandy-rock	12.7	19.2	Low T
Dry	Medium	Sandy-rock	10.9	22.5	MediumT
Dry	Medium	Sandy-rock	8.9	24.3	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Sandy-rock	8.9	23.7	MediumT
Dry	Medium	Rocky shore	8.9	19.2	Low T
Dry	Medium	Sandy-rock	8.6	22.2	MediumT
Dry	High	Rocky shore	8.7	20.6	MediumT
Dry	Medium	Sandy-rock	8.2	23.4	MediumT
Dry	Medium	Sandy-rock	8.4	22.3	MediumT
Dry	Medium	Sandy-rock	8.4	22.3	MediumT
Dry	Medium	Sandy-rock	8.4	22.3	MediumT
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	High	Rocky shore	9.7	24.6	MediumT
Dry	High	Rocky shore	9.7	24.6	MediumT
Dry	High	Rocky shore	9.7	24.6	MediumT
Dry	High	Rocky shore	9.7	24.6	MediumT
Dry	High	Rocky shore	9.7	24.6	MediumT
Dry	High	Rocky shore	9.7	24.6	MediumT
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Sandy-rock	10.1	22.8	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Rocky shore	9.0	24.4	MediumT
Dry	Medium	Sandy-rock	9.0	21.4	MediumT
Dry	Medium	Sandy-rock	9.0	23.5	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT
Dry	Medium	Sandy-rock	11.0	18.2	Low T
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Rocky shore	10.0	24.4	MediumT
Dry	Medium	Sandy-rock	8.2	23.4	MediumT
Dry	Medium	Sandy-rock	8.4	22.3	MediumT
Dry	Medium	Sandy-rock	8.2	18.7	Low T
Dry	High	Rocky shore	9.7	24.6	MediumT
Dry	Medium	Sandy-rock	10.3	23.4	MediumT
Dry	Medium	Sandy-rock	10.8	21.8	MediumT

Dry	Medium	Sandy-rock	8.7	21.9	MediumT
Dry	Medium	Rocky shore	8.9	23.2	MediumT
Dry	Medium	Sandy-rock	8.2	18.7	Low T

<b>pH</b>	<b>tipo pH</b>	<b>Sal (UPS)</b>	<b>Salinity</b>	<b>Phyla</b>	<b>Clase</b>	<b>Orden</b>
9.2	Alkaline	35.22	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
9.2	Alkaline	35.22	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
9.2	Alkaline	35.22	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	35.29	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	35.29	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.7	Normal	35.24	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
7.9	Acid	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Alkaline	35.2	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	35.2	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	35.2	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	35.2	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
7.5	Acid	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	35.98	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	34.88	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
9.2	Alkaline	35.02	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
9.2	Alkaline	35.02	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
9.0	Alkaline	34.92	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.4	Normal	36.67	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	34.88	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.4	Normal	36.67	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	36.2	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	36.2	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.2	Normal	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.2	Normal	37	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.0	Normal	35	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
7.5	Acid	36	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.8	Normal	34.88	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
9.2	Alkaline	35.02	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
9.0	Alkaline	34.92	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.9	Alkaline	35.22	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.9	Alkaline	35.22	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.9	Alkaline	35.22	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
7.9	Acid	35	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
7.9	Acid	35	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
7.9	Acid	37.5	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.5	Normal	30	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.5	Normal	30	Marine	Chlorophyta	Ulvophyceae	Cladophorales
9.2	Alkaline	35.22	Marine	Chlorophyta	Ulvophyceae	Cladophorales
9.2	Alkaline	35.22	Marine	Chlorophyta	Ulvophyceae	Cladophorales

8.8	Normal	35.29	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.8	Normal	35.29	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.8	Alkaline	35.29	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.3	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.7	Normal	35.24	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.1	Normal	34	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.7	Normal	35.24	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.7	Normal	35.24	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.7	Normal	35.24	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.7	Normal	35.24	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.3	Normal	30	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.5	Acid	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.5	Acid	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.8	Normal	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.6	Normal	36.2	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.8	Normal	23.5	Polyhaline	Chlorophyta	Ulvophyceae	Cladophorales
9.3	Alkaline	35	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.9	Acid	35	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.9	Acid	35	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.9	Acid	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.9	Acid	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.9	Acid	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.9	Acid	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.9	Acid	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
7.9	Acid	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.2	Normal	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.2	Normal	37	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.2	Normal	37	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.0	Normal	35	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.0	Normal	35	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.8	Alkaline	37	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.8	Alkaline	35	Marine	Chlorophyta	Ulvophyceae	Ceramiales
8.0	Normal	39	Hyperhalin	Chlorophyta	Ulvophyceae	Ceramiales
8.0	Normal	39	Hyperhalin	Chlorophyta	Ulvophyceae	Cladophorales
8.1	Normal	37	Marine	Chlorophyta	Ulvophyceae	Ceramiales
8.1	Normal	37	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.0	Normal	39	Hyperhalin	Chlorophyta	Ulvophyceae	Ceramiales
8.0	Normal	39	Hyperhalin	Chlorophyta	Ulvophyceae	Ceramiales
8.1	Normal	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.0	Normal	37	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.5	Alkaline	30	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.1	Normal	34	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.7	Normal	35.24	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
7.9	Acid	36	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
7.9	Acid	35	Marine	Chlorophyta	Ulvophyceae	Bryopsidales



7.9	Acid	36	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
7.9	Acid	36	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.0	Normal	35	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.0	Normal	39	Hyperhalin	Chlorophyta	Ulvophyceae	Bryopsidales
8.8	Normal	23.5	Polyhaline	Chlorophyta	Ulvophyceae	Cladophorales
7.9	Acid	37.5	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
7.9	Acid	37.5	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
7.9	Acid	37.5	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
9.3	Alkaline	35	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Alkaline	36		Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.7	Normal	35.24	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.2	Normal	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.7	Normal	35.24	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	35.2	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Alkaline	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
7.5	Acid	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
7.5	Acid	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	35.98	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	35.98	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
7.8	Normal	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	34.88	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	34.88	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	34.71	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
9.2	Alkaline	35.02	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
9.2	Alkaline	35.02	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.0	Normal	35.51	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.0	Normal	35.51	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
9.0	Alkaline	34.92	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.4	Normal	36.67	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	23.5	Polyhaline	Chlorophyta	Ulvophyceae	Ulotrichales
8.0	Normal	35	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
7.9	Acid	37.5	Marine	Phaeophyta	Phaeophyceae	Dictyotales
7.9	Acid	37.5	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.5	Normal	30	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.5	Normal	30	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.1	Normal	34	Marine	Phaeophyta	Phaeophyceae	Dictyotales
9.3	Alkaline	35	Marine	Phaeophyta	Phaeophyceae	Dictyotales
7.9	Acid	35	Marine	Phaeophyta	Phaeophyceae	Dictyotales
7.9	Acid	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
7.9	Acid	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.2	Normal	37	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.0	Normal	35	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.0	Normal	35	Marine	Phaeophyta	Phaeophyceae	Dictyotales

8.0	Normal	35	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.9	Alkaline	35.22	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Alkaline	35.29	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	34.94	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Normal	35.2	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.9	Alkaline	35.22	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.0	Normal	39	Hyperhalin	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Normal	34.91	Marine	Phaeophyta	Florideophycidae	Cutleriales
8.8	Normal	34.91	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Normal	34.91	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
9.2	Alkaline	35.22	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Alkaline	35.29	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Alkaline	35.29	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.7	Normal	35.24	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.7	Normal	35.24	Marine	Phaeophyta	Phaeophyceae	Dictyotales
7.9	Acid	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
7.9	Acid	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Normal	35.2	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Alkaline	35.2	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Normal	35.2	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	55.5	Hyperhalin	Phaeophyta	Phaeophyceae	Dictyotales
8.0	Normal	35.51	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Normal	34.91	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Normal	23.5	Polyhaline	Phaeophyta	Phaeophyceae	Dictyotales
8.1	Normal	37	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.1	Normal	37	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.1	Normal	37	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.1	Normal	37	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.0	Normal	39	Hyperhalin	Phaeophyta	Phaeophyceae	Dictyotales
8.0	Normal	39	Hyperhalin	Phaeophyta	Phaeophyceae	Dictyotales
8.1	Normal	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.0	Normal	37	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.0	Normal	37	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.8	Normal	34.91	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.5	Normal	30	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.1	Normal	34	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
7.9	Acid	35	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.1	Normal	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.2	Alkaline	35.02	Marine	Phaeophyta	Florideophycidae	Ectocarpales
9.2	Alkaline	35.22	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.2	Alkaline	35.22	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.2	Alkaline	35.22	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Alkaline	35.29	Marine	Phaeophyta	Phaeophyceae	Ectocarpales

8.8	Alkaline	35.29	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Normal	35.29	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Normal	35.29	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	34.94	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	34.94	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	34.94	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.7	Alkaline	35.24	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.7	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Normal	35.2	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Normal	35.2	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Alkaline	35.2	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Alkaline	35.2	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Normal	34.88	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	55.5	Hyperhalin	Phaeophyta	Phaeophyceae	Ectocarpales
9.2	Alkaline	35.02	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.0	Normal	35.51	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.0	Alkaline	34.92	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.9	Alkaline	35.22	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Alkaline	34.91	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.7	Alkaline			Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Normal	36.2	Marine	Phaeophyta	Phaeophyceae	Sphacelariales
8.0	Normal	37	Marine	Phaeophyta	Phaeophyceae	Fucales
8.0	Normal	35	Marine	Phaeophyta	Phaeophyceae	Fucales
8.1	Normal	37	Marine	Phaeophyta	Phaeophyceae	Fucales
8.1	Normal	37	Marine	Phaeophyta	Phaeophyceae	Fucales
8.1	Normal	36	Marine	Phaeophyta	Phaeophyceae	Fucales
8.1	Normal	36	Marine	Phaeophyta	Phaeophyceae	Fucales
8.8	Normal	35.29	Marine	Phaeophyta	Phaeophyceae	Fucales
7.8	Normal	36	Marine	Phaeophyta	Phaeophyceae	Fucales
8.6	Normal	35.98	Marine	Phaeophyta	Phaeophyceae	Fucales
8.6	Normal	35.98	Marine	Phaeophyta	Phaeophyceae	Fucales
8.8	Normal	34.88	Marine	Phaeophyta	Phaeophyceae	Fucales
8.8	Normal	34.88	Marine	Phaeophyta	Phaeophyceae	Fucales
8.6	Normal	34.71	Marine	Phaeophyta	Phaeophyceae	Fucales
8.6	Normal	34.71	Marine	Phaeophyta	Phaeophyceae	Fucales
9.2	Alkaline	35.02	Marine	Phaeophyta	Phaeophyceae	Fucales
8.3	Normal	55.5	Hyperhalin	Phaeophyta	Phaeophyceae	Fucales
8.3	Normal	55.5	Hyperhalin	Phaeophyta	Phaeophyceae	Fucales
8.3	Normal	55.5	Hyperhalin	Phaeophyta	Phaeophyceae	Fucales
8.3	Normal	55.5	Hyperhalin	Phaeophyta	Phaeophyceae	Fucales
9.2	Alkaline	35.02	Marine	Phaeophyta	Phaeophyceae	Fucales
9.2	Alkaline	35.02	Marine	Phaeophyta	Phaeophyceae	Fucales
9.2	Alkaline	35.02	Marine	Phaeophyta	Phaeophyceae	Fucales
8.0	Normal	35.51	Marine	Phaeophyta	Phaeophyceae	Fucales
8.0	Normal	35.51	Marine	Phaeophyta	Phaeophyceae	Fucales

8.0	Normal	35.51	Marine	Phaeophyta	Phaeophyceae	Fucales
9.0	Alkaline	34.92	Marine	Phaeophyta	Phaeophyceae	Fucales
9.0	Alkaline	34.92	Marine	Phaeophyta	Phaeophyceae	Fucales
9.0	Alkaline	34.92	Marine	Phaeophyta	Phaeophyceae	Fucales
8.9	Alkaline	35.22	Marine	Phaeophyta	Phaeophyceae	Fucales
8.9	Alkaline	35.22	Marine	Phaeophyta	Phaeophyceae	Fucales
8.8	Normal	34.91	Marine	Phaeophyta	Phaeophyceae	Fucales
8.8	Normal	34.91	Marine	Phaeophyta	Phaeophyceae	Fucales
8.8	Normal	34.91	Marine	Phaeophyta	Phaeophyceae	Fucales
8.3	Normal	36	Marine	Phaeophyta	Phaeophyceae	Fucales
8.8	Alkaline	23.5	Polyhaline	Phaeophyta	Phaeophyceae	Fucales
8.8	Normal	23.5	Polyhaline	Phaeophyta	Phaeophyceae	Fucales
8.1	Normal	34	Marine	Rhodophyta	Florideophycidae	Ceramiales
9.3	Alkaline	35	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.2	Normal	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.2	Normal	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
7.8	Acid	37	Marine	Rhodophyta	Florideophycidae	Ceramiales
7.8	Acid	37	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.0	Normal	35	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.8	Alkaline	35	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.0	Normal	39	Hyperhalin	Rhodophyta	Florideophycidae	Ceramiales
8.1	Normal	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.7	Normal	35.24	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.0	Normal	30	Marine	Rhodophyta	Florideophycidae	Ceramiales
7.5	Acid	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
7.5	Acid	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.6	Normal	35.98	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.6	Normal	35.98	Marine	Rhodophyta	Florideophycidae	Ceramiales
7.8	Normal	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
7.8	Normal	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	36.67	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	36.67	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.8	Normal	34.91	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.8	Normal	23.5	Polyhaline	Rhodophyta	Florideophycidae	Ceramiales
8.8	Alkaline	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.8	Normal	35.29	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.8	Normal	34.91	Marine	Rhodophyta	Florideophycidae	Nemaliales
8.5	Alkaline	30	Marine	Rhodophyta	Florideophycidae	Corallinales
8.1	Normal	34	Marine	Rhodophyta	Florideophycidae	Corallinales
8.1	Normal	34	Marine	Rhodophyta	Florideophycidae	Corallinales
8.1	Normal	34	Marine	Rhodophyta	Florideophycidae	Corallinales
8.3	Normal	35	Marine	Rhodophyta	Florideophycidae	Corallinales
8.8	Alkaline	35	Marine	Rhodophyta	Florideophycidae	Corallinales
8.8	Alkaline	35	Marine	Rhodophyta	Florideophycidae	Corallinales

8.8	Alkaline	35	Marine	Rhodophyta	Florideophycidae	Corallinales
8.8	Alkaline	35	Marine	Rhodophyta	Florideophycidae	Corallinales
8.8	Alkaline	39	Hyperhalin	Rhodophyta	Florideophycidae	Corallinales
8.8	Alkaline	39	Hyperhalin	Rhodophyta	Florideophycidae	Corallinales
8.1	Normal	36	Marine	Rhodophyta	Florideophycidae	Corallinales
8.8	Alkaline	35.29	Marine	Rhodophyta	Florideophycidae	Corallinales
9.0	Alkaline	34.92	Marine	Rhodophyta	Florideophycidae	Corallinales
7.9	Acid	37.5	Marine	Rhodophyta	Florideophycidae	Gelidiales
8.5	Normal	30	Marine	Rhodophyta	Florideophycidae	Gelidiales
8.5	Normal	30	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.1	Normal	34	Marine	Rhodophyta	Florideophycidae	Gelidiales
8.1	Normal	34	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.1	Normal	34	Marine	Rhodophyta	Florideophycidae	
9.3	Alkaline	35	Marine	Rhodophyta	Florideophycidae	Gelidiales
7.9	Acid	35	Marine	Rhodophyta	Florideophycidae	Gelidiales
7.9	Acid	35	Marine	Rhodophyta	Florideophycidae	Gigartinales
7.9	Acid	35	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.2	Normal	36	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.2	Normal	36	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.2	Normal	36	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.2	Normal	36	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.2	Normal	37	Marine	Rhodophyta	Florideophycidae	Gigartinales
7.8	Acid	37	Marine	Rhodophyta	Florideophycidae	Gigartinales
7.8	Acid	37	Marine	Rhodophyta	Florideophycidae	Gigartinales
7.8	Acid	37	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	35	Marine	Rhodophyta	Florideophycidae	Gelidiales
8.0	Normal	35	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	37	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	37	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	37	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	37	Marine	Rhodophyta	Florideophycidae	Gigartinales
7.8	Acid	37	Marine	Rhodophyta	Florideophycidae	Gelidiales
7.8	Acid	37	Marine	Rhodophyta	Florideophycidae	Gigartinales
7.8	Acid	37	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	35	Marine	Rhodophyta	Florideophycidae	Halymeniales
8.0	Normal	35	Marine	Rhodophyta	Florideophycidae	Halymeniales
8.0	Normal	35	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	35	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	35	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	35	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.0	Normal	39	Hyperhalin	Rhodophyta	Florideophycidae	Gelidiales
8.0	Normal	39	Hyperhalin	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	39	Hyperhalin	Rhodophyta	Florideophycidae	Halymeniales
8.0	Normal	39	Hyperhalin	Rhodophyta	Florideophycidae	Halymeniales
8.0	Normal	39	Hyperhalin	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	39	Hyperhalin	Rhodophyta	Florideophycidae	Gigartinales



8.4	Normal	36.67	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.9	Alkaline	35.22	Marine	Rhodophyta	Florideophycidae	Gelidiales
8.9	Alkaline	35.22	Marine	Rhodophyta	Florideophycidae	Halymeniales
8.9	Alkaline	35.22	Marine	Rhodophyta	Florideophycidae	Halymeniales
8.8	Normal	34.91	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.8	Normal	34.91	Marine	Rhodophyta	Florideophycidae	Rhodymeniales
8.8	Normal	34.91	Marine	Rhodophyta	Florideophycidae	Rhodymeniales
8.8	Normal	34.91	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.6	Normal	36.2	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.6	Normal	36.2	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.8	Normal	23.5	Polyhaline	Rhodophyta	Florideophycidae	Gelidiales
8.8	Normal	23.5	Polyhaline	Rhodophyta	Florideophycidae	Gigartinales
8.8	Normal	23.5	Polyhaline	Rhodophyta	Florideophycidae	Gigartinales
8.8	Normal	23.5	Polyhaline	Rhodophyta	Florideophycidae	Gigartinales
8.8	Normal	23.5	Polyhaline	Rhodophyta	Florideophycidae	Gigartinales
8.8	Normal	34.91	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.1	Normal	37	Marine	Rhodophyta	Florideophycidae	Corallinales
8.1	Normal	36	Marine	Rhodophyta	Florideophycidae	Corallinales
8.1	Normal	36	Marine	Rhodophyta	Florideophycidae	Corallinales
8.4	Normal	36.34	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.4	Normal	36.34	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.7	Alkaline	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.7	Alkaline	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.7	Alkaline	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.0	Acid	35.71	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	36.24	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Alkaline	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.62	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.62	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.99	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.51	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.51	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	35.26	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.4	Normal	35.36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Alkaline	34.94	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Alkaline	35.74	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.5	Normal	34.76	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.1	Normal	35.35	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.2	Normal	35.22	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	36.19	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	36.24	Marine	Chlorophyta	Ulvophyceae	Ulotrichales

8.4	Normal	35.36	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.8	Normal	34.18	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.4	Normal	36.34	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	34.62	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	34.62	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	34.62	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	34.62	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	34.99	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	34.51	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	34.51	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	35.26	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	35.26	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.4	Normal	35.36	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	36	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.6	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	35.74	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.3	Normal	35.74	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.5	Alkaline	34.76	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.5	Alkaline	35.78	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.6	Normal	35.27	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.1	Normal	35.35	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.0	Normal	35.48	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.2	Normal	35.22	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.2	Normal	35.22	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.1	Normal	35.13	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.4	Normal	35.91	Marine	Chlorophyta	Ulvophyceae	Bryopsidales
8.6	Alkaline	36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.4	Normal	35.36	Marine	Chlorophyta	Ulvophyceae	Cladophorales
8.3	Normal	34.62	Marine	Chlorophyta	Ulvophyceae	Ceramiales
8.4	Normal	35.91	Marine	Chlorophyta	Ulvophyceae	Ceramiales
8.4	Normal	36.34	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.6	Normal	36	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.6	Alkaline	36	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.7	Alkaline	36	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.6	Alkaline	36.1	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.3	Normal	36.24	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.6	Normal	36.1	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.6	Normal	36.1	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.6	Normal	36.1	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.6	Normal	36.1	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.7	Alkaline	36	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.7	Alkaline	36	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.3	Normal	34.62	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.3	Normal	34.62	Marine	Chlorophyta	Ulvophyceae	Ultrichales
8.5	Normal	36	Marine	Chlorophyta	Ulvophyceae	Ultrichales



8.3	Normal	34.99	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.51	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.51	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	35.39	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	35.39	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	35.26	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	35.26	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	35.26	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	35.26	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.5	Alkaline	35.79	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.4	Normal	35.72	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.4	Normal	35.36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	34.94	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.2	Normal	35	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.3	Normal	34.7	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.5	Normal	35.78	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.5	Normal	35.82	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	35.27	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.1	Normal	35.35	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.2	Normal	35.36	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.8	Normal	36.19	Marine	Chlorophyta	Ulvophyceae	Ulotrichales
8.6	Normal	35.27	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.2	Normal	35.22	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.1	Alkaline	36.34	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.1	Alkaline	36.34	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	36.24	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	36.24	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Alkaline	35.73	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Alkaline	35.79	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	34.99	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.5	Alkaline	35.73	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	35.26	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.2	Normal	35.22	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.4	Normal	35.26	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.4	Normal	35.91	Marine	Phaeophyta	Phaeophyceae	Dictyotales
9.1	Alkaline	36.34	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	35.71	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales

8.1	Normal	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	34.62	Marine	Phaeophyta	Phaeophyceae	Dictyotales
9.1	Alkaline	35.25	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	34.99	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	34.51	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	34.51	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	35.26	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	35.26	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	35.26	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.5	Alkaline	35.79	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.4	Normal	35.36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.4	Normal	35.36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.3	Normal	36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.6	Normal	34.94	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.6	Normal	34.94	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.5	Normal	35.78	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.1	Normal	35.35	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.2	Normal	35.82	Marine	Phaeophyta	Phaeophyceae	Dictyotales
9.0	Alkaline	34.88	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.2	Normal	35.36	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.0	Normal	35.48	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.2	Normal	35.22	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.2	Normal	35.22	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.4	Normal	35.78	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.4	Normal	35.91	Marine	Phaeophyta	Phaeophyceae	Dictyotales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.7	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.7	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	35	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	34.62	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Normal	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.1	Alkaline	35.25	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	34.99	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Alkaline	35.73	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Normal	35.73	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	34.51	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	34.51	Marine	Phaeophyta	Phaeophyceae	Ectocarpales

8.3	Normal	34.51	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	34.51	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	35.39	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	35.39	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	35.26	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	35.26	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	35.26	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Alkaline	35.79	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Alkaline	35.79	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Alkaline	35.79	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.1	Alkaline	35.72	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.1	Alkaline	35.72	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.4	Normal	35.36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.4	Normal	35.36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.4	Normal	35.36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.3	Normal	36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	34.94	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.2	Normal	35	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.2	Normal	35	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Alkaline	35.74	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Alkaline	35.74	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.8	Alkaline	35.74	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.0	Normal	34.65	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Alkaline	34.76	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Normal	34.76	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.5	Normal	35.78	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.6	Alkaline	35.27	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.1	Normal	35.35	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.1	Normal	35.35	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.2	Normal	35.82	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.0	Alkaline	34.88	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.2	Alkaline	35.36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.2	Alkaline	35.36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.2	Alkaline	35.36	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.0	Normal	35.48	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.0	Normal	35.48	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.7	Normal	35.22	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.1	Normal	35.13	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.1	Normal	35.13	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
9.1	Alkaline	35.78	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.4	Normal	35.26	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.4	Normal	35.91	Marine	Phaeophyta	Phaeophyceae	Ectocarpales
8.4	Normal	36.34	Marine	Phaeophyta	Phaeophyceae	Fucales



8.3	Normal	34.5	Marine	Phaeophyta	Phaeophyceae	Fucales
8.3	Normal	34.5	Marine	Phaeophyta	Phaeophyceae	Fucales
8.0	Normal	34.65	Marine	Phaeophyta	Phaeophyceae	Fucales
8.5	Normal	35.78	Marine	Phaeophyta	Phaeophyceae	Fucales
8.5	Normal	35.78	Marine	Phaeophyta	Phaeophyceae	Fucales
8.6	Alkaline	35.27	Marine	Phaeophyta	Phaeophyceae	Fucales
8.6	Normal	35.27	Marine	Phaeophyta	Phaeophyceae	Fucales
8.1	Normal	35.35	Marine	Phaeophyta	Phaeophyceae	Fucales
8.1	Normal	35.35	Marine	Phaeophyta	Phaeophyceae	Fucales
8.2	Normal	35.82	Marine	Phaeophyta	Phaeophyceae	Fucales
8.2	Normal	35.82	Marine	Phaeophyta	Phaeophyceae	Fucales
9.0	Alkaline	34.88	Marine	Phaeophyta	Phaeophyceae	Fucales
9.0	Alkaline	34.88	Marine	Phaeophyta	Phaeophyceae	Fucales
8.2	Normal	35.36	Marine	Phaeophyta	Phaeophyceae	Fucales
8.2	Normal	35.36	Marine	Phaeophyta	Phaeophyceae	Fucales
8.2	Normal	35.36	Marine	Phaeophyta	Phaeophyceae	Fucales
8.0	Normal	35.48	Marine	Phaeophyta	Phaeophyceae	Fucales
8.2	Normal	35.22	Marine	Phaeophyta	Phaeophyceae	Fucales
8.2	Normal	35.22	Marine	Phaeophyta	Phaeophyceae	Fucales
8.2	Normal	35.22	Marine	Phaeophyta	Phaeophyceae	Fucales
8.4	Normal	35.78	Marine	Phaeophyta	Phaeophyceae	Fucales
8.4	Normal	35.91	Marine	Phaeophyta	Phaeophyceae	Fucales
8.0	Normal	34.65	Marine	Rhodophyta	Bangiophyceae	Bangiales
8.3	Normal	35.26	Marine	Rhodophyta	Florideophycidae	Rhodymeniales
8.4	Normal	35.36	Marine	Rhodophyta	Florideophycidae	Rhodymeniales
8.5	Normal	34.76	Marine	Rhodophyta	Florideophycidae	Rhodymeniales
9.1	Alkaline	36.34	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	36.34	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	36.34	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	36.34	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	36.34	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	36.24	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	36.24	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	34.99	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	34.99	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.5	Normal	35.73	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.5	Normal	35.73	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	35.26	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	35.26	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.5	Alkaline	35.79	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	35.36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	35.36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	35.36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.6	Normal	34.94	Marine	Rhodophyta	Florideophycidae	Ceramiales





8.5	Alkaline	34.76	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.5	Normal	35.78	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.5	Alkaline	35.82	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.6	Normal	35.27	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.6	Normal	35.27	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.6	Normal	35.27	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.6	Normal	35.27	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.6	Normal	35.27	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.6	Normal	35.27	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.3	Normal	35.01	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.1	Normal	35.35	Marine	Rhodophyta	Florideophycidae	Gigartinales
9.0	Alkaline	34.88	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.2	Normal	35.36	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	35.48	Marine	Rhodophyta	Florideophycidae	Gelidiales
8.0	Normal	35.48	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.0	Normal	35.48	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.2	Normal	35.22	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.2	Normal	35.22	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.4	Normal	35.26	Marine	Rhodophyta	Florideophycidae	Gelidiales
8.4	Normal	35.26	Marine	Rhodophyta	Florideophycidae	Gelidiales
8.4	Normal	35.26	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.4	Normal	35.26	Marine	Rhodophyta	Florideophycidae	Gigartinales
7.9	Acid	35.26	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.4	Normal	35.26	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.4	Normal	35.91	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.4	Normal	35.91	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.4	Normal	35.91	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.4	Normal	35.91	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.4	Normal	35.91	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.4	Normal	35.91	Marine	Rhodophyta	Florideophycidae	Gigartinales
8.4	Normal	36.34	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.6	Alkaline	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	36.24	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.6	Normal	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	34.51	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	34.51	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	35.26	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	35.36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	35.36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.2	Normal	35.36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.0	Normal	35.48	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.2	Normal	35.22	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	35.26	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.4	Normal	36.34	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	34.51	Marine	Rhodophyta	Florideophycidae	Ceramiales



8.4	Normal	35.36	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.3	Normal	35.74	Marine	Rhodophyta	Florideophycidae	Ceramiales
8.2	Normal	35.22	Marine	Rhodophyta	Florideophycidae	Ceramiales

<b>Family</b>	<b>Genus</b>	<b>Species</b>	<b>Morphology tyoe (Balata et al., 2011)</b>
Ulvaceae	Ulva	<i>Ulva lobata</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lobata</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lobata</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lobata</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva linza</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva linza</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva linza</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva linza</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Codiaceae	Codium	<i>Codium amplivesiculatū</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium amplivesiculatū</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium amplivesiculatū</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium simulans</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium brandegeei</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium brandegeei</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium brandegeei</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium sp.</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium sp.</i>	C-Erect thallus
Cladophor:	Chaetomorpha	<i>Chaetomorpha antenni</i>	C-Filamentous uniseriate
Cladophor:	Chaetomorpha	<i>Chaetomorpha antenin</i>	C-Filamentous uniseriate
Cladophor:	Cladophora	<i>Cladophora</i>	C-Filamentous uniseriate
Cladophor:	Chaetomorpha	<i>Chaetomorpha antenni</i>	C-Filamentous uniseriate
Cladophor:	Chaetomorpha	<i>Chaetomorpha sp.</i>	C-Filamentous uniseriate

Cladophoræ Chaetomorpha	<i>Chaetomorpha antenni</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha antenni</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora sp.</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha sp.</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha antenni</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha antenni</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha antenni</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha linum</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora microcladi</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora microcladi</i>	C-Filamentous uniseriate
Cladophoræ Rhizoclonium	<i>Rhizoclonium riparium</i>	C-Filamentous uniseriate
Cladophoræ Rhizoclonium	<i>Rhizoclonium riparium</i>	C-Filamentous uniseriate
Cladophoræ Rhizoclonium	<i>Rhizoclonium riparium</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora albida</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora albida</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora columbian</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha antenni</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha linum</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha linum</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha sp.</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora sp.</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora sp.2</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora sp.3</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora sp.4</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora sp.4</i>	C-Filamentous uniseriate
Cladophoræ Rhizoclonium	<i>Rhizoclonium sp.</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha linum</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha sp.2</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora sp.</i>	C-Filamentous uniseriate
Cladophoræ Rhizoclonium	<i>Rhizoclonium sp.</i>	C-Filamentous uniseriate
Cladophoræ Rhizoclonium	<i>Rhizoclonium sp.</i>	C-Filamentous uniseriate
Boodleaceæ Struveopsis	<i>Struveopsis sp.</i>	C-Filamentous uniseriate
Boodleaceæ Struveopsis	<i>Struveopsis sp.</i>	C-Filamentous uniseriate
Cladophoræ Chaetomorpha	<i>Chaetomorpha antenni</i>	C-Filamentous uniseriate
Boodleaceæ Struveopsis	<i>Struveopsis sp.</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora sp.</i>	C-Filamentous uniseriate
Boodleaceæ Struveopsis	<i>Struveopsis sp.</i>	C-Filamentous uniseriate
Boodleaceæ Struveopsis	<i>Struveopsis sp2</i>	C-Filamentous uniseriate
Cladophoræ Cladophora	<i>Cladophora sp.</i>	C-Filamentous uniseriate
Cladophoræ Rhizoclonium	<i>Rhizoclonium sp.</i>	C-Filamentous uniseriate
Caulerpace Caulerpa	<i>Caulerpa peltata</i>	C-Siphonous with creeping axes
Caulerpace Caulerpa	<i>Caulerpa peltata</i>	C-Siphonous with creeping axes
Caulerpace Caulerpa	<i>Caulerpa cupressoides</i>	C-Siphonous with creeping axes
Caulerpace Caulerpa	<i>Caulerpa mexicana</i>	C-Siphonous with creeping axes
Caulerpace Caulerpa	<i>Caulerpa peltata</i>	C-Siphonous with creeping axes

Caulerpace	Caulerpa	<i>Caulerpa sertularioides</i>	C-Siphonous with creeping axes
Caulerpace	Caulerpa	<i>Caulerpa sertularioides</i>	C-Siphonous with creeping axes
Bryopsidac	Bryopsis	<i>Bryopsis sp.</i>	C-Siphonous with thin separate filaments
Bryopsidac	Bryopsis	<i>Bryopsis sp.</i>	C-Siphonous with thin separate filaments
Valoniaceae	Valoniopsis	<i>Valoniopsis pachynema</i>	C-Siphonous with vesicle-like thallus
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva clathrata</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva compressa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva clathrata</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva clathrata</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva clathrata</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva clathrata</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva clathrata</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva prolifera</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva compressa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva compressa</i>	C-Tubular
Dictyotaceae	Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Zonaria	<i>Zonaria sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Dictyota	<i>Dictyota sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina sp.</i>	O-Compressed with branched or divided thallus

Dictyotaceae: Padina	<i>Padina sp.</i>	O-Compressed with branched or divided thallus
Ishigeaceae: Ishige	<i>Ishige foliacea</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Dictyota	<i>Dictyota sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Dictyota	<i>Dictyota sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Dictyota	<i>Dictyota conorescens</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Dictyota	<i>Dictyota implexa</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Dictyota	<i>Dictyota sp.</i>	O-Compressed with branched or divided thallus
Cutleriaceae: Cutleria	<i>Cutleria hancockii</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Dictyota	<i>Dictyota coriacea</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Dictyota	<i>Dictyota dichotoma</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Spatoglossum	<i>Spatoglossum howellii</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Spatoglossum	<i>Spatoglossum howellii</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Scytosiphon: Rosenvingea	<i>Rosenvingea sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Dictyota	<i>Dictyota sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Dictyota	<i>Dictyota sp.2</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Zonaria	<i>Zonaria sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Dictyota	<i>Dictyota sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Padina	<i>Padina sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Zonaria	<i>Zonaria sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Zonaria	<i>Zonaria sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae: Taonia	<i>Taonia lennebackerae</i>	O-Compressed with branched or divided thallus
Ectocarpac: Ectocarpus	<i>Ectocarpus sp.</i>	O-Filamentous uniseriate
Ectocarpac: Ectocarpus	<i>Ectocarpus sp.</i>	O-Filamentous uniseriate
Ectocarpac: Ectocarpus	<i>Ectocarpus sp.</i>	O-Filamentous uniseriate
Ectocarpac: Ectocarpus	<i>Ectocarpus sp.</i>	O-Filamentous uniseriate
Ectocarpac: Ectocarpus	<i>Ectocarpus sp.</i>	O-Filamentous uniseriate
Scytosiphon: Colpomenia	<i>Colpomenia ramosa</i>	O-Hollow with spherical or subspherical shape
Scytosiphon: Colpomenia	<i>Colpomenia sp.</i>	O-Hollow with spherical or subspherical shape
Scytosiphon: Colpomenia	<i>Colpomenia tuberculata</i>	O-Hollow with spherical or subspherical shape
Scytosiphon: Colpomenia	<i>Colpomenia tuberculata</i>	O-Hollow with spherical or subspherical shape



Sargassaceae	Sargassum	<i>Sargassum johnstonii</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum lapazeanum</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sinicola</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sinicola subsp.</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum horridum</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum johnstonii</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum herporhizum</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum johnstonii</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sp.</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sp.</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum horridum</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum horridum</i>	O-Thick leathery macrophytes
Ceramiaceae	Centroceras	<i>Centroceras sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Ceramiaceae	Centroceras	<i>Centroceras sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Ceramiaceae	Ceramium	<i>Ceramium sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceae	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Ceramiaceae	Ceramium	<i>Ceramium sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Ceramiaceae	Ceramium	<i>Ceramium sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Ceramiaceae	Ceramium	<i>Ceramium sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Ceramiaceae	Ceramium	<i>Ceramium sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia nathanieli</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceae	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceae	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceae	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Neosiphonia	<i>Neosiphonia paniculata</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia pacifica</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia mollis</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia mollis</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia mollis</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia mollis</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia mollis</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Neosiphonia	<i>Neosiphonia johnstonii</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceae	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Ceramiaceae	Centroceras	<i>Centroceras clavulatum</i>	R-Filamentous uniseriate and pluriseriate with erect
Ceramiaceae	Centroceras	<i>Centroceras clavulatum</i>	R-Filamentous uniseriate and pluriseriate with erect
Scinaiaaceae	Scinaia	<i>Scinaia johnstoniae</i>	R-Flattened macrophytes with cortication
Corallinaceae	Amphiroa	<i>Amphiroa sp.</i>	R-Larger-sized articulated corallines
Corallinaceae	Amphiroa	<i>Amphiroa sp.</i>	R-Larger-sized articulated corallines
Corallinaceae	Amphiroa	<i>Amphiroa sp.2</i>	R-Larger-sized articulated corallines
Corallinaceae	Amphiroa	<i>Amphiroa sp.3</i>	R-Larger-sized articulated corallines
Corallinaceae	Amphiroa	<i>Amphiroa sp.</i>	R-Larger-sized articulated corallines
Corallinaceae	Amphiroa	<i>Amphiroa sp.</i>	R-Larger-sized articulated corallines
Corallinaceae	Amphiroa	<i>Amphiroa sp.</i>	R-Larger-sized articulated corallines

Corallinaceæ Amphiroa	<i>Amphiroa sp.</i>	R-Larger-sized articulated corallines
Corallinaceæ Amphiroa	<i>Amphiroa sp.2</i>	R-Larger-sized articulated corallines
Corallinaceæ Amphiroa	<i>Amphiroa sp.</i>	R-Larger-sized articulated corallines
Corallinaceæ Amphiroa	<i>Amphiroa sp.2</i>	R-Larger-sized articulated corallines
Corallinaceæ Amphiroa	<i>Amphiroa sp.</i>	R-Larger-sized articulated corallines
Corallinaceæ Amphiroa	<i>Amphiroa misakiensis</i>	R-Larger-sized articulated corallines
Corallinaceæ Amphiroa	<i>Amphiroa beauvoisii</i>	R-Larger-sized articulated corallines
Gelidiaceæ Grateloupia	<i>Grateloupia filicina</i>	R-Larger-sized corticated
Gelidiaceæ Ceratodictyon	<i>Ceratodictyon tenue</i>	R-Larger-sized corticated
Rhodomelæ Laurencia	<i>Laurencia sp.</i>	R-Larger-sized corticated
Gelidiaceæ Ceratodictyon	<i>Ceratodictyon tenue</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea pannosa</i>	R-Larger-sized corticated
Dermonema	<i>Dermonema sp.</i>	R-Larger-sized corticated
Gelidiaceæ Gelidium	<i>Gelidium sp.</i>	R-Larger-sized corticated
Gelidiaceæ Ceratodictyon	<i>Ceratodictyon tenue</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea pannosa</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea spinella</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria sp.2</i>	R-Larger-sized corticated
Phyllophor Ahnfeltiopsis	<i>Ahnfeltiopsis sp.</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Phyllophor Ahnfeltiopsis	<i>Ahnfeltiopsis sp.</i>	R-Larger-sized corticated
Phyllophor Ahnfeltiopsis	<i>Ahnfeltiopsis sp.2</i>	R-Larger-sized corticated
Gelidiaceæ Grateloupia	<i>Grateloupia filicina</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria sp.2</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Gelidiaceæ Grateloupia	<i>Grateloupia filicina</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria sp.2</i>	R-Larger-sized corticated
Halymeniaceæ Prionitis	<i>Prionitis sp.</i>	R-Larger-sized corticated
Halymeniaceæ Prionitis	<i>Prionitis sp.2</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea sp2</i>	R-Larger-sized corticated
Phyllophor Ahnfeltiopsis	<i>Ahnfeltiopsis sp.</i>	R-Larger-sized corticated
Rhodomelæ Laurencia	<i>Laurencia sp.</i>	R-Larger-sized corticated
Gelidiaceæ Gelidium	<i>Gelidium sp.</i>	R-Larger-sized corticated
Gracilariaceæ Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Halymeniaceæ Prionitis	<i>Prionitis abbreviata</i>	R-Larger-sized corticated
Halymeniaceæ Prionitis	<i>Prionitis sp.2</i>	R-Larger-sized corticated
Phyllophor Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated
Phyllophor Gymnogongrus	<i>Gymnogongrus sp.2</i>	R-Larger-sized corticated



Phyllophor	Gymnogongrus	<i>Gymnogongrus sp.3</i>	R-Larger-sized corticated
Rhodomelæ	Laurencia	<i>Laurencia sp.</i>	R-Larger-sized corticated
	zonardinula	<i>Zanardinula</i>	R-Larger-sized corticated
Gelidiaceæ	Gelidium	<i>Gelidium sp.</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea spinella</i>	R-Larger-sized corticated
Gelidiaceæ	Grateloupia	<i>Grateloupia filicina</i>	R-Larger-sized corticated
Gracilariaci	Gracilaria	<i>Gracilaria textorii</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea spinella</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea valentiae</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Gelidiaceæ	Grateloupia	<i>Grateloupia filicina</i>	R-Larger-sized corticated
Gelidiaceæ	Grateloupia	<i>Grateloupia filicina</i>	R-Larger-sized corticated
Gelidiaceæ	Grateloupia	<i>Grateloupia howeii</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Phyllophor	Ahnfeltiopsis	<i>Ahnfeltiopsis leptophyll</i>	R-Larger-sized corticated
Phyllophor	Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated
Phyllophor	Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated
Gelidiaceæ	Gelidium	<i>Gelidium sclerophyllum</i>	R-Larger-sized corticated
Gelidiaceæ	Grateloupia	<i>Grateloupia howeii</i>	R-Larger-sized corticated
Gelidiaceæ	Grateloupia	<i>Grateloupia versicolor</i>	R-Larger-sized corticated
Gelidiaceæ	Grateloupia	<i>Grateloupia versicolor</i>	R-Larger-sized corticated
Halymeniaci	Grateloupia	<i>Grateloupia versicolor</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea johnstonii</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea pannosa</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea pannosa</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea valentiae</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea johnstonii</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Hypneaceæ	Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Phyllophor	Ahnfeltiopsis	<i>Ahnfeltiopsis leptophyll</i>	R-Larger-sized corticated
Phyllophor	Ahnfeltiopsis	<i>Ahnfeltiopsis leptophyll</i>	R-Larger-sized corticated
Phyllophor	Ahnfeltiopsis	<i>Ahnfeltiopsis leptophyll</i>	R-Larger-sized corticated
Gracilariaci	Gracilaria	<i>Gracilaria vermiculoph</i>	R-Larger-sized corticated
Gracilariaci	Gracilaria	<i>Gracilaria pacifica</i>	R-Larger-sized corticated
Gigartinace	Gigartina	<i>Gigartina sp.</i>	R-Larger-sized corticated
Gracilariaci	Gracilaria	<i>Gracilaria pacifica</i>	R-Larger-sized corticated
Gigartinace	Gigartina	<i>Gigartina sp.</i>	R-Larger-sized corticated
Gracilariaci	Gracilaria	<i>Gracilaria spinigera</i>	R-Larger-sized corticated
Gracilariaci	Gracilaria	<i>Gracilaria turgida</i>	R-Larger-sized corticated
Gracilariaci	Gracilaria	<i>Gracilaria turgida</i>	R-Larger-sized corticated
Phyllophor	Gymnogongrus	<i>Gymnogongrus guadal</i>	R-Larger-sized corticated
	Prionitis	<i>Prionitis abbreviata var</i>	R-Larger-sized corticated
Gracilariaci	Gracilaria	<i>Gracilaria vermiculoph</i>	R-Larger-sized corticated

Gracilariaceae	Gracilaria	<i>Gracilaria vermiculoph</i>	R-Larger-sized corticated
Gelidiaceae	Grateloupia	<i>Grateloupia sp.</i>	R-Larger-sized corticated
Halymeniaceae	Prionitis	<i>Prionitis abbreviata var</i>	R-Larger-sized corticated
Halymeniaceae	Prionitis	<i>Prionitis sp.</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria spinigera</i>	R-Larger-sized corticated
Rhodymeniaceae	Rhodymenia	<i>Rhodymenia sp.</i>	R-Larger-sized corticated
Rhodymeniaceae	Rhodymenia	<i>Rhodymenia sp.</i>	R-Larger-sized corticated
Solieriaceae	Tacanoosca	<i>Tacanoosca uncinata</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria pacifica</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria pacifica</i>	R-Larger-sized corticated
Gelidiaceae	Grateloupia	<i>Grateloupia sp.</i>	R-Larger-sized corticated
Gigartinales	Rhodoglossum	<i>Rhodoglossum sp.</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria pacifica</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria vermiculoph</i>	R-Larger-sized corticated
Hypneaceae	Hypnea	<i>Hypnea valentiae</i>	R-Larger-sized corticated
Rhodomelales	Laurencia	<i>Laurencia sp.</i>	R-Larger-sized corticated
Corallinales	Jania	<i>Jania sp.</i>	R-Smaller-sized articulated corallines
Corallinales	Jania	<i>Jania sp.</i>	R-Smaller-sized articulated corallines
Corallinales	Jania	<i>Jania sp.2</i>	R-Smaller-sized articulated corallines
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lobata</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulva	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulva	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva stenophylla</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva sp.</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva lactuca</i>	C-Blade-like
Ulva	Ulva	<i>Ulva linza</i>	C-Blade-like

Ulvaceae	Ulva	<i>Ulva rigida</i>	C-Blade-like
Ulvaceae	Ulva	<i>Ulva linza</i>	C-Blade-like
Codiaceae	Codium	<i>Codium simulans</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium amplivesiculatū</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium simulans</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium simulans</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium simulans</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium brandegeei</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium simulans</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium sp.</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium fragile</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium fragile</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium amplivesiculatū</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium simulans</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium fragile</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium amplivesiculatū</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium amplivesiculatū</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium simulans</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium fragile</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium sp.</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium sp.</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium simulans</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium brandegeei</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium brandegeei</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium amplivesiculatū</i>	C-Erect thallus
Codiaceae	Codium	<i>Codium brandegeei</i>	C-Erect thallus
Cladophor:	Cladophora	<i>Cladophora sp.</i>	C-Filamentous uniseriate
Cladophor:	Cladophora	<i>Cladophora sp.</i>	C-Filamentous uniseriate
Boodleace:	Phyllocladon	<i>Phyllocladon robustum</i>	C-Filamentous uniseriate
Boodleace:	Phyllocladon	<i>Phyllocladon robustum</i>	C-Filamentous uniseriate
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva prolifera</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular

Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva clathrata</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva compressa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva prolifera</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva flexuosa</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva clathrata</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva acanthophora</i>	C-Tubular
Ulvaceae	Ulva	<i>Ulva intestinalis</i>	C-Tubular
Scytosipho	Endarachne	<i>Endarachne sp.</i>	O-Compressed with blade-like habit
Scytosipho	Endarachne	<i>Endarachne sp.</i>	O-Compressed with blade-like habit
Scytosipho	Hydroclathrus	<i>Hydroclathrus clathrati</i>	O-Compressed with branched or divided thallus
Scytosipho	Hydroclathrus	<i>Hydroclathrus clathrati</i>	O-Compressed with branched or divided thallus
Scytosipho	Hydroclathrus	<i>Hydroclathrus clathrati</i>	O-Compressed with branched or divided thallus
Scytosipho	Hydroclathrus	<i>Hydroclathrus clathrati</i>	O-Compressed with branched or divided thallus
Scytosipho	Hydroclathrus	<i>Hydroclathrus clathrati</i>	O-Compressed with branched or divided thallus
Scytosipho	Hydroclathrus	<i>Hydroclathrus clathrati</i>	O-Compressed with branched or divided thallus
Scytosipho	Hydroclathrus	<i>Hydroclathrus clathrati</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Dictyota	<i>Dictyota sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Dictyota	<i>Dictyota dichotoma</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Dictyota	<i>Dictyota sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Dictyota	<i>Dictyota implexa</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Dictyota	<i>Dictyota sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Dictyota	<i>Dictyota flabellata</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina sp.</i>	O-Compressed with branched or divided thallus
Dictyotaceae	Padina	<i>Padina durvillaei</i>	O-Compressed with branched or divided thallus







Sargassaceae	Sargassum	<i>Sargassum horridum</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum johnstonii</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum herporhizum</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sp.</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sp.</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sp.</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sp.</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum horridum</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sp.</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum johnstonii</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sinicola</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum johnstonii</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sinicola</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum herporhizum</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sinicola</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sinicola</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum horridum</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum johnstonii</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum johnstonii</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sinicola</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum sp.</i>	O-Thick leathery macrophytes
Sargassaceae	Sargassum	<i>Sargassum horridum</i>	O-Thick leathery macrophytes
Bangiaceae	Pyropia	<i>Pyropia thuretii</i>	R-Blade-like with one of few layers of cells
Champiace	Champia	<i>Champia sp.</i>	R-Corticated with hollow thallus
Lomentariæ	Lomentaria	<i>Lomentaria hakodaten</i>	R-Corticated with hollow thallus
Lomentariæ	Lomentaria	<i>Lomentaria sp.</i>	R-Corticated with hollow thallus
Rhodomelæ	Neosiphonia	<i>Neosiphonia johnstonii</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelæ	Polysiphonia	<i>Polysiphonia mollis</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelæ	Polysiphonia	<i>Polysiphonia pacifica</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelæ	Polysiphonia	<i>Polysiphonia pacifica</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelæ	Polysiphonia	<i>Polysiphonia sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelæ	Polysiphonia	<i>Polysiphonia mollis</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelæ	Neosiphonia	<i>Neosiphonia paniculata</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelæ	Neosiphonia	<i>Neosiphonia johnstonii</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceæ	Spyridia	<i>Spyridia sp.</i>	R-Filamentous uniseriate and pluriseriate with erect



Spyridiaceae	Spyridia	<i>Spyrida sp.</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceae	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Rhodomelae	Polysiphonia	<i>Polysiphonia mollis</i>	R-Filamentous uniseriate and pluriseriate with erect
Spyridiaceae	Spyridia	<i>Spyridia filamentosa</i>	R-Filamentous uniseriate and pluriseriate with erect
Halymeniaceae	Halymenia	<i>Halymenia sp.</i>	R-Flattened macrophytes with cortication
Halymeniaceae	Halymenia	<i>Halymenia sp.</i>	R-Flattened macrophytes with cortication
Schizymeniaceae	Schizymenia	<i>Schizymenia pacifica</i>	R-Flattened macrophytes with cortication
Schizymeniaceae	Schizymenia	<i>Schizymenia pacifica</i>	R-Flattened macrophytes with cortication
Halymeniaceae	Halymenia	<i>Halymenia actinophysa</i>	R-Flattened macrophytes with cortication
Corallinaceae	Amphiroa	<i>Amphiroa beauvoisii</i>	R-Larger-sized articulated corallines
Corallinaceae	Amphiroa	<i>Amphiroa sp.</i>	R-Larger-sized articulated corallines
Corallinaceae	Corallina	<i>Corallina vancouverens</i>	R-Larger-sized articulated corallines
Solieriaceae	Tacanoosca	<i>Tacanoosca uncinata</i>	R-Larger-sized corticated
Solieriaceae	Tacanoosca	<i>Tacanoosca uncinata</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria subsecundata</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria tepocensis</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria tepocensis</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Hypneaceae	Hypnea	<i>Hypnea valentiae</i>	R-Larger-sized corticated
Rhodomelae	Acanthophora	<i>Acanthophora spicifera</i>	R-Larger-sized corticated
Hypneaceae	Hypnea	<i>Hypnea johnstonii</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria crispata</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria turgida</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaceae	Gracilariopsis	<i>Gracilariopsis lemaneiformis</i>	R-Larger-sized corticated
Gigartinales	Gigartina	<i>Gigartina sp.</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria subsecundata</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria subsecundata</i>	R-Larger-sized corticated
Phyllophorales	Ahnfeltiopsis	<i>Ahnfeltiopsis leptophylla</i>	R-Larger-sized corticated
Gigartinales	Rhodoglossum	<i>Rhodoglossum sp.</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria crispata</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria crispata</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria crispata</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria crispata</i>	R-Larger-sized corticated
Hypneaceae	Hypnea	<i>Hypnea johnstonii</i>	R-Larger-sized corticated
Hypneaceae	Hypnea	<i>Hypnea spinella</i>	R-Larger-sized corticated
Phyllophorales	Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated

Rhodomelæ Digenia	<i>Digenia sp.</i>	R-Larger-sized corticated
Gelidiaceæ Grateloupia	<i>Grateloupia sp.</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria crispata</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea johnstonii</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea pannosa</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea valentiae</i>	R-Larger-sized corticated
Phyllophor Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated
Phyllophor Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated
Phyllophor Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated
Phyllophor Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated
Rhodomelæ Digenia	<i>Digenia sp.</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria subsecundata</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria subsecundata</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea valentiae</i>	R-Larger-sized corticated
Rhodomelæ Digenia	<i>Digenia simplex</i>	R-Larger-sized corticated
Gelidiaceæ Gelidium	<i>Gelidium sp.</i>	R-Larger-sized corticated
Hypneaceæ Hypnea	<i>Hypnea spinella</i>	R-Larger-sized corticated
Gelidiaceæ Grateloupia	<i>Grateloupia doryphora</i>	R-Larger-sized corticated
Gelidiaceæ Grateloupia	<i>Grateloupia doryphora</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria crispata</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria pacifica</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria subsecundata</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria textorii</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria textorii</i> var. <i>?</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria textorii</i> var. <i>?</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria turgida</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gracilariaci Gracilariopsis	<i>Gracilariopsis longissima</i>	R-Larger-sized corticated
Phyllophor Ahnfeltiopsis	<i>Ahnfeltiopsis leptophylla</i>	R-Larger-sized corticated
Gigartinace Chondracanthus	<i>Chondracanthus tepidu</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gigartinace Chondracanthus	<i>Chondracanthus squarrosus</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Rhodomelæ Acanthophora	<i>Acanthophora sp.</i>	R-Larger-sized corticated
Gracilariaci Gracilariopsis	<i>Gracilariopsis longissima</i>	R-Larger-sized corticated
Gigartinace Gigartina	<i>Gigartina sp.</i>	R-Larger-sized corticated
Gracilariaci Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Halymeniaci Prionitis	<i>Prionitis abbreviata</i>	R-Larger-sized corticated

Solieriaceae	Tacanoosca	<i>Tacanoosca uncinata</i>	R-Larger-sized corticated
Gigartinaceae	Gigartina	<i>Gigartina sp.</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria vermiculophylla</i>	R-Larger-sized corticated
Gigartinaceae	Gigartina	<i>Gigartina sp.</i>	R-Larger-sized corticated
Gigartinaceae	Gigartina	<i>Gigartina sp.</i>	R-Larger-sized corticated
Gigartinaceae	Gigartina	<i>Gigartina sp.</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Hypneaceae	Hypnea	<i>Hypnea spinella</i>	R-Larger-sized corticated
Phyllophora	Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated
Dumontiaceae	Weeksia	<i>Weeksia coccinea</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria sp.</i>	R-Larger-sized corticated
Solieriaceae	Tacanoosca	<i>Tacanoosca uncinata</i>	R-Larger-sized corticated
Hypneaceae	Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Gelidiaceae	Gelidium	<i>Gelidium sclerophyllum</i>	R-Larger-sized corticated
Gigartinaceae	Rhodoglossum	<i>Rhodoglossum sp.</i>	R-Larger-sized corticated
Rhodomelaceae	Acanthophora	<i>Acanthophora sp.</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria subsecundata</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria turgida</i>	R-Larger-sized corticated
Gelidiaceae	Grateloupia	<i>Grateloupia sp.</i>	R-Larger-sized corticated
Gelidiaceae	Pterocladia	<i>Pterocladia sp.</i>	R-Larger-sized corticated
Hypneaceae	Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Hypneaceae	Hypnea	<i>Hypnea sp.</i>	R-Larger-sized corticated
Phyllophora	Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated
Phyllophora	Gymnogongrus	<i>Gymnogongrus sp.</i>	R-Larger-sized corticated
Gigartinaceae	Mazzaella	<i>Mazzaella leptorhynchus</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria marcialana</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria subsecundata</i>	R-Larger-sized corticated
Gracilariaceae	Gracilaria	<i>Gracilaria tepocensis</i>	R-Larger-sized corticated
Phyllophora	Ahnfeltiopsis	<i>Ahnfeltiopsis leptophylla</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia pacifica</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia pacifica</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia papillosa</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia papillosa</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia pacifica</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia sp.</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia sp.</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia pacifica</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia pacifica</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia pacifica</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia pacifica</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia pacifica</i>	R-Larger-sized corticated
Rhodomelaceae	Laurencia	<i>Laurencia sp.</i>	R-Larger-sized corticated
Dasyaceae	Dasya	<i>Dasya baillouviana</i>	R-Smaller-sized corticated
Rhodomelaceae	Chondria	<i>Chondria acrorhizophora</i>	R-Smaller-sized corticated

Dasyaceae	<i>Dasya</i>	<i>Dasya baillouviana</i>	R-Smaller-sized corticated
Rhodomelæ	<i>Chondria</i>	<i>Chondria californica</i>	R-Smaller-sized corticated
Rhodomelæ	<i>Palisada</i>	<i>Palisada paniculata</i>	R-Smaller-sized corticated









































R-Delicately branched  
R-Delicately branched  
R-Delicately branched











Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Macroscopic thalli consisting of few-layered hollow rounded vesicles	Cosmopolite
Algae of small size, composed of thin pluriseriate filaments	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	Endemic
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	
Furoid habit	Endemic
Furoid habit	Endemic































Branched corticated algae with erect habit and relatively thin axes  
Branched corticated algae with erect habit and relatively thin axes  
Branched corticated algae with erect habit and relatively thin axes

<b>Emersion level</b>	<b>Protection</b>	<b>ACext</b>	<b>User CO<sub>2</sub>/HCO<sub>3</sub>-</b>
Intertidal	Exposed	Non-diffusive	HCO <sub>3</sub> -
Intertidal	Exposed	Non-diffusive	HCO <sub>3</sub> -
Intertidal	Exposed	Non-diffusive	HCO <sub>3</sub> -
Intertidal	Exposed	Non-diffusive	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Absent	HCO <sub>3</sub> -
Intertidal	Exposed	Non-diffusive	HCO <sub>3</sub> -
Intertidal	Exposed	Absent	HCO <sub>3</sub> -
Intertidal	Exposed	Absent	HCO <sub>3</sub> -
Intertidal	Exposed	Absent	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Absent	HCO <sub>3</sub> -
Intertidal	Exposed	Absent	HCO <sub>3</sub> -
Intertidal	Exposed	Absent	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Subtidal	Exposed	Absent	HCO <sub>3</sub> -
Intertidal	Exposed	Absent	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Subtidal	Protected	Non-diffusive	HCO <sub>3</sub> -
Intertidal	Exposed	Non-diffusive	HCO <sub>3</sub> -
Intertidal	Exposed	Non-diffusive	HCO <sub>3</sub> -
Subtidal	Protected	Presence	HCO <sub>3</sub> -
Subtidal	Exposed	Presence	HCO <sub>3</sub> -
Subtidal	Protected	Presence	HCO <sub>3</sub> -
Subtidal	Protected	Presence	HCO <sub>3</sub> -
Subtidal	Protected	Presence	HCO <sub>3</sub> -
Subtidal	Protected	Presence	HCO <sub>3</sub> -
Subtidal	Protected	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Protected	Non-diffusive	HCO <sub>3</sub> -
Intertidal	Protected	Non-diffusive	HCO <sub>3</sub> -
Subtidal	Exposed	Presence	HCO <sub>3</sub> -
Intertidal	Exposed	Presence	HCO <sub>3</sub> -

Intertidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Intertidal	Protected	Presence	HCO3-
Intertidal	Protected	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Subtidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Protected	Presence	HCO3-
Intertidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Protected	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-

Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-

Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-









Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Presence	HCO3-
Intertidal	Protected	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Diffusive	CO2
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Presence	?
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Diffusive	CO2
Intertidal	Protected	Diffusive	CO2
Intertidal	Protected	Diffusive	CO2
Subtidal	Exposed	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-

Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Absent	HCO3-
Subtidal	Protected	Absent	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Absent	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Presence	HCO3-

Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-











Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Intertidal	Exposed	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	?
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Non-diffusive	?
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Exposed	Non-diffusive	?

Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Diffusive	CO2
Subtidal	Protected	Diffusive	CO2
Subtidal	Protected	Diffusive	CO2
Subtidal	Protected	Diffusive	CO2
Subtidal	Protected	Diffusive	CO2
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	?
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Diffusive	CO2
Subtidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-

Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	?
Subtidal	Protected	Absent	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	?
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	?
Intertidal	Exposed	Diffusive	CO2
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	?
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-

Intertidal	Exposed	Non-diffusive	?
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Non-diffusive	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Non-diffusive	?
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Absent	HCO3-
Subtidal	Protected	Absent	HCO3-
Intertidal	Exposed	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Exposed	Non-diffusive	?
Subtidal	Exposed	Absent	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Intertidal	Exposed	Non-diffusive	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Exposed	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Protected	Diffusive	CO2
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Subtidal	Protected	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Intertidal	Exposed	Presence	HCO3-
Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Non-diffusive	?

Subtidal	Protected	Non-diffusive	?
Subtidal	Protected	Non-diffusive	?
Intertidal	Exposed	Presence	HCO <sub>3</sub> <sup>-</sup>

<b>C (mg/g)</b>	<b>δ13C</b>	<b>References1</b>	<b>References2</b>
352.9	- 11.11	Björk et al 1993 para Ulva sp	
332.4	- 11.32	Björk et al 1993 para Ulva sp	
257.0	- 15.33	Björk et al 1993 para Ulva sp	
213.3	- 13.35	Bowes 1969 para U. expansa	
312.4	- 12.79	Björk et al 1993 para Ulva sp	
256.0	- 12.48	Drechsler y Beer (1991) y Zou y Gao, 2002 para U. Riosmena-Rodriguez et al 2005	
287.0	- 14.16	Björk et al 1993 para Ulva sp	
175.1	- 14.29	Drechsler y Beer (1991) y Zou y Gao, 2002 para U. Riosmena-Rodriguez et al 2005	
173.5	- 14.89	Drechsler y Beer (1991) y Zou y Gao, 2002 para U. Riosmena-Rodriguez et al 2005	
181.0	- 8.06	Drechsler y Beer (1991) y Zou y Gao, 2002 para U. Riosmena-Rodriguez et al 2005	
248.9	- 12.23	Björk et al 1993 para Ulva sp	
243.8	- 12.67	Björk et al 1993 para Ulva sp	
1.5	- 18.83	Björk et al 1993 para Ulva sp	
357.6	- 19.03	Drechsler y Beer (1991) y Zou y Gao, 2002 para U. Riosmena-Rodriguez et al 2005	
229.6	- 15.77	Drechsler y Beer (1991) y Zou y Gao, 2002 para U. Riosmena-Rodriguez et al 2005	
285.3	- 12.49	Drechsler y Beer (1991) y Zou y Gao, 2002 para U. Riosmena-Rodriguez et al 2005	
254.4	- 15.03	Björk et al 1993 para Ulva sp	
270.7	- 15.49	Björk et al 1993 para Ulva sp	
243.1	- 9.80	Drechsler y Beer (1991) y Zou y Gao, 2002 para U. Riosmena-Rodriguez et al 2005	
215.5	- 14.71	Drechsler y Beer (1991) y Zou y Gao, 2002 para U. Riosmena-Rodriguez et al 2005	
191.8	- 17.22	Kremer y Küppers, 1977 para U. Linza	
235.4	- 19.43	Kremer y Küppers, 1977 para U. Linza	
182.5	- 14.09	Kremer y Küppers, 1977 para U. Linza	
144.8	- 15.88	Kremer y Küppers, 1977 para U. Linza	
1,257.5	- 11.47	Drechsler y Beer (1991) y Zou y Gao, 2002 para U.	
1,566.3	- 18.14	Drechsler y Beer (1991) y Zou y Gao, 2002 para U.	
964.8	- 15.54	Drechsler y Beer (1991) y Zou y Gao, 2002 para U.	
567.6	- 20.42	Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Espinoza-Avalos, 1993	
316.2	- 13.85	Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Espinoza-Avalos, 1993	
234.6	- 14.57	Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Espinoza-Avalos, 1993	
340.7	- 11.53	Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Amaya y Riosmena, 1996	
273.9	- 10.77	Reinskid y Bowes, 1991 y Reinskid et al, 1988 para algabase.org	
248.4	- 13.28	Reinskid y Bowes, 1991 y Reinskid et al, 1988 para algabase.org	
331.0	- 13.67	Reinskid y Bowes, 1991 y Reinskid et al, 1988 para algabase.org	
885.5	- 12.91	Reinskid y Bowes, 1991 y Reinskid et al, 1988 para	
1,311.6	- 14.07	Reinskid y Bowes, 1991 y Reinskid et al, 1988 para	
970.6	- 15.41	Mercado et al (1997) para C. aerea y Bowes, 1968 algabase.org	
1,560.8	- 13.69		
1,275.0	- 12.22		
281.6	- 15.21	Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org	
325.1	- 14.56	Sand-Jenson y Gordon, 1984 para C linum	

415.0 - 13.77 Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 261.3 - 13.79 Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 360.9 - 8.30 Giordano and Maberly (1989) y Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 288.7 - 12.90 Sand-Jenson y Gordon, 1984 para Clinum  
 298.1 - 12.79 Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 1,213.3 - 15.52  
 93.6 - 14.02 Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 78.1 - 16.74 Sand-Jenson y Gordon, 1984 para Clinum  
 246.2 - 21.36 Giordano and Maberly (1989) y Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 287.9 - 22.16 Giordano and Maberly (1989) y Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 278.6 - 17.79  
 205.7 - 19.51  
 187.1 - 21.68  
 267.2 - 13.85 Giordano and Maberly (1989) y Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 31.4 - 14.11 Giordano and Maberly (1989) y Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 40.7 - 13.77 Giordano and Maberly (1989) y Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 1,407.6 - 16.29 Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
 1,265.2 - 14.60 Sand-Jenson y Gordon, 1984 para Clinum  
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 1,209.4 - 15.23 Giordano and Maberly (1989) y Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
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 1,526.4 - 14.15 Giordano and Maberly (1989) y Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
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 1,513.5 - 18.45 Sand-Jenson y Gordon, 1984 para Clinum  
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 2,132.4 - 15.41 Giordano and Maberly (1989) y Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
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 1,485.2 - 9.86  
 1,509.7 - 8.83  
 1,771.7 - 12.46  
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 925.7 - 10.83  
 817.9 - 13.62 Giordano and Maberly (1989) y Mercado et al (1998) para C. aerea y Bowes, 1968 algabase.org  
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 1,124.2 - 10.47  
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 1,384.9 - 13.87 Kevekordes et al 2006 para 8 spp Caulerpa  
 369.1 - 16.33 Kevekordes et al 2006 para 8 spp Caulerpa  
 390.7 - 19.91 Kevekordes et al 2006 para 8 spp Caulerpa  
 727.8 - 12.76 Kevekordes et al 2006 para 8 spp Caulerpa

1,911.3	-	18.30	Kevekordes et al 2006 para 8 spp Caulerpa	
1,684.5	-	18.49	Kevekordes et al 2006 para 8 spp Caulerpa	
1,712.9	-	14.75		
1,716.5	-	15.90		
224.0	-	11.87		
538.3	-	15.64	Larsson et al 1987 para U. intestinalis	
611.5	-	16.78	Larsson et al 1987 para U. intestinalis	
1,488.2	-	20.29	Larsson et al 1987 para U. intestinalis	
1,579.8	-	17.04	Bowes 1969 para U. expansa	
284.4	-	25.92	Bowes 1969 para U. expansa	
153.7	-	10.38	Bowes 1969 para U. expansa	
172.6	-	14.55	Bowes 1969 para U. expansa	
175.6	-	14.82	Bowes 1969 para U. expansa	
1,122.3	-	15.83	Larsson et al 1987 para U. intestinalis	
281.7	-	15.90	Larsson et al 1987 para U. intestinalis	Riosmena-Rodriguez et al 2005
239.1	-	16.74	Bowes 1969 para U. expansa	
218.6	-	14.29	Larsson et al 1987 para U. intestinalis	Riosmena-Rodriguez et al 2005
173.5	-	20.54		
209.5	-	20.58	Giordano and Maberly (1989) y Mercado et al (1998)	
216.6	-	15.76		
246.3	-	11.84	Larsson et al 1987 para U. intestinalis	Riosmena-Rodriguez et al 2005
275.9	-	12.88	Bowes 1969 para U. expansa	
275.2	-	14.56		
126.0	-	14.87	Bowes 1969 para U. expansa	
115.2	-	14.52		
99.9	-	16.88	Bowes 1969 para U. expansa	
202.8	-	14.89	Larsson et al 1987 para U. intestinalis	Riosmena-Rodriguez et al 2005
172.9	-	16.08		
208.7	-	17.24		
91.9	-	16.97	Larsson et al 1987 para U. intestinalis	Riosmena-Rodriguez et al 2005
268.2	-	15.49	Björk et al 1993 para Ulva sp	
99.4	-	19.05	Giordano and Maberly (1989) y Mercado et al (1998)	
1,042.7	-	15.42	Giordano and Maberly (1989) y Mercado et al (1998)	
1,597.0	-	15.80	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
1,172.6	-	19.97	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
1,255.7	-	13.17	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
1,964.0	-	17.83	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
1,411.4	-	13.43	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
1,307.8	-	16.97	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
929.6	-	13.97	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
2,113.8	-	15.26		
1,737.6	-	16.77		
1,869.9	-	11.23		
1,894.4	-	14.50	Mercado et al 1998 para D. dichotoma y HCO3 po	
1,720.5	-	12.15	Enriquez y Rodriguez-Roman, 2006 para P. Santa	



1,317.4	-	12.69	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
164.9	-	13.33		
124.6	-	6.97	Mercado et al 1998para D. dichotoma y HCO3 pc	
306.0	-	21.50	Mercado et al 1998para D. dichotoma y HCO3 pc	
227.5	-	16.54	Mercado et al 1998para D. dichotoma y HCO3 pc	
307.2	-	16.87	Mercado et al 1998para D. dichotoma y HCO3 pc	
1,781.9	-	14.96	Mercado et al 1998para D. dichotoma y HCO3 pc	
154.5	-	14.64		Espinoza-Avalos, 1993
231.4	-	18.17		
1,033.7	-	15.22	Mercado et al 1998para D. dichotoma y HCO3 pc	
150.8	-	12.99	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
261.5	-	13.36	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
275.9	-	13.16	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
197.6	-	9.38	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
227.5	-	10.69	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
197.2	-	13.59	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
362.4	-	15.67		
249.4	-	15.23	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
395.0	-	20.80		
218.3	-	14.06	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
271.5	-	9.35	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
245.6	-	10.09	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
358.6	-	17.62	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
259.4	-	16.04		
182.2	-	10.79	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
270.4	-	14.83	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
1,737.6	-	15.49	Mercado et al 1998para D. dichotoma y HCO3 pc	
1,875.2	-	12.86	Mercado et al 1998para D. dichotoma y HCO3 pc	
1,553.1	-	10.66	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
1,507.3	-	13.38		
2,057.7	-	13.79	Mercado et al 1998para D. dichotoma y HCO3 pc	
1,818.9	-	11.70	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
1,557.0	-	13.06		
976.5	-	15.89		
1,215.2	-	16.37		
256.4	-	15.35		
1,515.4	-	15.23		
672.4	-	16.28		
449.8	-	12.29		
1,034.9	-	17.13		
329.9	-	16.15		
324.3	-	13.76	Mercado et al (1998) para C sinuosa	algabase.org
261.1	-	9.64	Mercado et al (1998) para C sinuosa	algabase.org
248.7	-	9.45	Mercado et al (1998) para C sinuosa	algabase.org
266.1	-	6.24	Mercado et al (1998) para C sinuosa	algabase.org

332.9	-	9.15	Mercado et al (1998) para C sinuosa	algabase.org
193.4	-	10.05	Mercado et al (1998) para C sinuosa	algabase.org
237.8	-	13.14	Mercado et al (1998) para C sinuosa	algabase.org
59.2	-	13.52	Mercado et al (1998) para C sinuosa	algabase.org
122.5	-	6.66	Mercado et al (1998) para C sinuosa	algabase.org
230.7	-	9.09	Mercado et al (1998) para C sinuosa	algabase.org
230.9	-	7.91	Mercado et al (1998) para C sinuosa	algabase.org
197.4	-	8.13	Mercado et al (1998) para C sinuosa	algabase.org
197.0	-	10.68	Mercado et al (1998) para C sinuosa	algabase.org
294.3	-	15.03	Mercado et al (1998) para C sinuosa	algabase.org
189.7	-	5.93	Mercado et al (1998) para C sinuosa	algabase.org
177.5	-	8.38	Mercado et al (1998) para C sinuosa	algabase.org
108.9	-	10.32	Mercado et al (1998) para C sinuosa	algabase.org
186.2	-	7.00	Mercado et al (1998) para C sinuosa	algabase.org
254.8	-	8.46	Mercado et al (1998) para C sinuosa	algabase.org
214.9	-	8.38	Mercado et al (1998) para C sinuosa	algabase.org
262.9	-	6.48	Mercado et al (1998) para C sinuosa	algabase.org
149.9	-	7.18	Mercado et al (1998) para C sinuosa	algabase.org
227.6	-	7.82	Mercado et al (1998) para C sinuosa	algabase.org
117.0	-	9.31	Mercado et al (1998) para C sinuosa	algabase.org
394.2	-	10.86		
1,549.3	-	15.25	Zou et al, 2011 para S. henslowianum	
1,820.8	-	13.46	Zou et al, 2011 para S. henslowianum	
1,943.3	-	15.23	Zou et al, 2011 para S. henslowianum	
849.5	-	15.26	Zou et al, 2011 para S. henslowianum	
1,888.7	-	15.79	Zou et al, 2011 para S. henslowianum	
2,244.1	-	16.47	Zou et al, 2011 para S. henslowianum	
281.0	-	13.77	Zou et al, 2011 para S. henslowianum	
408.4	-	18.02	Zou et al, 2011 para S. henslowianum	
352.0	-	13.36	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
323.1	-	14.60	Zou et al, 2011 para S. henslowianum	
234.4	-	14.85	Zou et al, 2011 para S. henslowianum	
85.2	-	16.02	Zou et al, 2011 para S. henslowianum	
362.0	-	13.44	Zou et al, 2011 para S. henslowianum	
464.4	-	17.82	Zou et al, 2011 para S. henslowianum	
351.6	-	13.11	Zou et al, 2011 para S. henslowianum	
327.4	-	13.38	Zou et al, 2011 para S. henslowianum	
260.5	-	14.62	Zou et al, 2011 para S. henslowianum	
158.5	-	15.33	Zou et al, 2011 para S. henslowianum	
274.0	-	16.87	Zou et al, 2011 para S. henslowianum	
267.3	-	14.07	Zou et al, 2011 para S. henslowianum	
326.6	-	14.28	Zou et al, 2011 para S. henslowianum	
310.8	-	16.99	Zou et al, 2011 para S. henslowianum	
324.3	-	13.64	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
296.0	-	15.16	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993

283.9	-	14.39	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
280.9	-	13.70	Zou et al, 2011 para S. henslowianum	
312.6	-	16.63	Zou et al, 2011 para S. henslowianum	
329.3	-	14.87	Zou et al, 2011 para S. henslowianum	
286.5	-	15.04	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
295.3	-	15.56	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
310.0	-	16.59	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
277.4	-	14.64	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
278.2	-	18.71	Zou et al, 2011 para S. henslowianum	
259.6	-	17.08	Zou et al, 2011 para S. henslowianum	
203.9	-	9.52	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
325.7	-	18.11	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
1,657.9	-	16.33		
1,253.8	-	15.80		
1,153.3	-	14.10		
1,164.0	-	15.35		
1,359.7	-	15.65		
1,490.1	-	18.26		
1,446.1	-	15.45		
769.4	-	8.18		
1,619.8	-	13.13		
964.6	-	11.87		
216.8	-	18.59	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
291.3	-	18.51		
105.5	-	20.39		
161.0	-	26.16		
142.3	-	18.73	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
217.4	-	21.48	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
238.0	-	20.22	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
256.3	-	20.62	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
188.6	-	19.65	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
197.2	-	20.03	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
268.3	-	19.05	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
253.1	-	22.97	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
147.9	-	16.11		
337.8	-	13.86		
309.5	-	16.65		
250.1	-	19.00		Amaya y Riosmena, 1996
755.9	-	7.05	Borowitzka, 1981 para A. anceps	
670.4	-	6.27	Borowitzka, 1981 para A. anceps	
1,705.2	-	9.99	Borowitzka, 1981 para A. anceps	
796.5	-	6.40	Borowitzka, 1981 para A. anceps	
835.8	-	5.83	Borowitzka, 1981 para A. anceps	
964.8	-	8.51	Borowitzka, 1981 para A. anceps	
859.2	-	4.55	Borowitzka, 1981 para A. anceps	

725.8 - 6.19 Borowitzka, 1981 para A. anceps  
 755.9 - 8.24 Borowitzka, 1981 para A. anceps  
 853.4 - 7.43 Borowitzka, 1981 para A. anceps  
 837.7 - 5.81 Borowitzka, 1981 para A. anceps  
 843.6 - 6.11 Borowitzka, 1981 para A. anceps  
 101.5 - 7.52 Borowitzka, 1981 para A. anceps  
 149.8 - 8.92 Borowitzka, 1981 para A. anceps  
 1,038.8 - 19.88  
 1,600.1 - 15.02  
 1,632.1 - 12.15 Bowes, 1969 para L. papillosa  
 385.5 - 15.12  
 674.6 - 12.10  
 1,392.4 - 15.84  
 670.7 - 16.92 Coock 1988 para Gelidium exasperata y G crinale  
 1,386.6 - 12.59  
 1,128.1 - 13.91  
 921.8 - 15.91  
 1,747.1 - 13.10 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 2,934.2 - 14.55 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 1,658.4 - 12.26 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 1,505.9 - 18.78  
 2,188.3 - 19.25 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 1,609.5 - 15.68 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 290.5 - 15.52  
 1,479.5 - 16.97  
 1,798.1 - 18.27  
 1,557.0 - 16.27 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 2,081.0 - 16.95 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 1,826.7 - 18.70 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 1,727.7 - 17.63  
 1,800.0 - 14.06  
 1,718.4 - 14.53 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 1,632.1 - 12.28 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 1,988.5 - 15.16 Murru y Sandgreen, 2004 para Prionitis lyallii y P  
 1,579.8 - 12.98 Murru y Sandgreen, 2004 para Prionitis lyallii y P  
 2,095.1 - 14.93  
 1,555.0 - 14.12  
 1,619.8 - 13.51  
 1,392.4 - 12.53 Bowes, 1969 para L. papillosa  
 1,657.9 - 12.53 Coock 1988 para Gelidium exasperata y G crinale  
 1,671.5 - 13.56 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 127.7 - 11.99 Murru y Sandgreen, 2004 para Prionitis lyallii y P  
 1,891.9 - 14.59 Murru y Sandgreen, 2004 para Prionitis lyallii y P  
 1,988.5 - 12.44 Mercado et al (1998) para Gymnogongrus sp y Co  
 2,447.6 - 12.80 Mercado et al (1998) para Gymnogongrus sp y Co

1,518.8 - 13.06 Mercado et al (1998) para *Gymnogongrus* sp y *Co*  
 1,524.8 - 13.74 Bowes, 1969 para *L. papillosa*  
 1,716.5 - 13.36  
 2,057.7 - 12.93 Coeek 1988 para *Gelidium exasperata* y *G crinale*  
 303.3 - 15.41  
 273.5 - 19.09  
 370.4 - 14.35 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 332.0 - 14.87  
 269.2 - 15.79  
 38.2 - 20.85  
 268.9 - 14.20  
 275.3 - 16.32  
 345.6 - 15.80  
 328.6 - 13.28  
 257.3 - 14.06 Murru y Sandgreen, 2004 para *Ahnfeltiopsis lept*  
 320.6 - 10.12 Mercado et al (1998) para *Gymnogongrus* sp y *Co*  
 380.0 - 11.52 Mercado et al (1998) para *Gymnogongrus* sp y *Co*  
 340.0 - 11.67 Coeek 1988 para *Gelidium exasperata* y *G crinale*  
 314.4 - 13.70  
 331.0 - 11.25  
 339.5 - 12.95  
 182.5 - 13.76  
 145.3 - 8.21  
 223.2 - 6.39  
 245.1 - 11.67  
 201.3 - 14.06  
 235.3 - 13.76  
 296.1 - 11.41  
 193.1 - 13.54  
 279.2 - 14.95  
 352.7 - 15.25  
 332.0 - 16.70 Murru y Sandgreen, 2004 para *Ahnfeltiopsis lept*  
 319.7 - 10.67 Murru y Sandgreen, 2004 para *Ahnfeltiopsis lept*  
 261.2 - 13.18 Murru y Sandgreen, 2004 para *Ahnfeltiopsis lept*  
 859.4 - 16.83 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 285.5 - 18.57 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 303.0 - 20.57 Bowes, 1969 para *Gigartina armata*  
 217.5 - 16.14 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 252.2 - 17.35 Bowes, 1969 para *Gigartina armata*  
 345.1 - 12.23 Garcia-Sanchez et al. 1994 para *G. tenuistipitata* Espinoza-Avalos, 1993  
 334.4 - 13.31 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 242.0 - 13.50 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 293.1 - 13.14 Mercado et al (1998) para *Gymnogongrus* sp y *Co*  
 196.7 - 11.43 Murru y Sandgreen, 2004 para *Prionitis lyallii* y *P*  
 243.8 - 18.04 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*

245.3 - 21.74 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 301.8 - 14.25  
 369.4 - 13.43 Murru y Sandgreen, 2004 para *Prionitis lyallii* y P  
 353.0 - 13.57 Murru y Sandgreen, 2004 para *Prionitis lyallii* y P  
 302.5 - 17.66 Garcia-Sanchez et al. 1994 para *G. tenuistipitata* Espinoza-Avalos, 1993  
 266.2 - 16.96 Colman y Cook, 1985 para *R. palmata*  
 248.7 - 20.41 Colman y Cook, 1985 para *R. palmata*  
 240.0 - 16.34 Espinoza-Avalos, 1993  
 260.7 - 16.86 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 312.2 - 17.21 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 305.7 - 22.61  
 375.5 - 16.14 Cook et al 1988 para *Rhodoglossum affine*  
 309.7 - 16.46 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 284.1 - 23.35 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 161.9 - 16.09  
 299.3 - 12.41 Bowes, 1969 para *L. papillosa*  
 755.3 - 8.86  
 589.8 - 10.25  
 698.3 - 10.08  
 190.3 - 15.47 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 240.6 - 14.00 Björk et al 1993 para *Ulva sp*  
 180.4 - 15.04 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 167.5 - 13.73 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 185.9 - 12.41 Björk et al 1993 para *Ulva sp*  
 263.2 - 18.43 Björk et al 1993 para *Ulva sp*  
 230.4 - 19.16 Björk et al 1993 para *Ulva sp*  
 192.6 - 19.56 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 141.4 - 11.76 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 40.8 - 16.06 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 - 11.19 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 207.7 - 17.36 Björk et al 1993 para *Ulva sp*  
 254.4 - 16.63 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 241.9 - 13.78 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 212.3 - 17.26 Bowes 1969 para *U. expansa*  
 205.5 - 11.30 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 217.5 - 18.69 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 180.1 - 8.97 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 231.7 - 15.76 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 233.9 - 17.12 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 306.2 - 9.60 Björk et al 1993 para *Ulva sp*  
 236.5 - 15.06 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U.*  
 277.0 - 7.11 Björk et al 1993 para *Ulva sp*  
 253.7 - 12.01 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 188.2 - 7.67 Drechsler y Beer (1991) y Zou y Gao, 2002 para *U. Riosmena-Rodriguez et al 2005*  
 148.4 - 13.21 Kremer y Küppers, 1977 para *U. Linza*

367.9 - 13.69 Bowes (1969), Mercado et al (1997) para U. rigida

195.8 - 13.54 Kremer y Küppers, 1977 para U. Linza

186.1 - 10.97 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Amaya y Riosmena, 1996

258.3 - 12.53 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Espinoza-Avalos, 1993

239.9 - 10.72 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Amaya y Riosmena, 1996

281.6 - 11.77 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Amaya y Riosmena, 1996

253.0 - 12.01 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Amaya y Riosmena, 1996

263.7 - 11.27 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para algabase.org

193.0 - 13.99 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Amaya y Riosmena, 1996

216.7 - 13.47 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para

216.8 - 13.97 Giordano and Maberly (1989) y Mercado et al (1997) para algabase.org

235.2 - 14.78 Giordano and Maberly (1989) y Mercado et al (1997) para algabase.org

247.6 - 15.18 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Espinoza-Avalos, 1993

248.7 - 14.92 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Amaya y Riosmena, 1996

224.4 - 14.21 Giordano and Maberly (1989) y Mercado et al (1997) para algabase.org

187.1 - 13.05 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Espinoza-Avalos, 1993

238.5 - 14.65 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Espinoza-Avalos, 1993

169.5 - 8.46 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Amaya y Riosmena, 1996

292.9 - 9.04 Giordano and Maberly (1989) y Mercado et al (1997) para algabase.org

284.9 - 10.91 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para

201.4 - 6.65 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para

441.4 - 8.26 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Amaya y Riosmena, 1996

212.5 - 10.43 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para algabase.org

233.9 - 11.29 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para algabase.org

272.9 - 11.25 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para Espinoza-Avalos, 1993

207.0 - 12.00 Reinskid y Bowes, 1991 y Reinskid et al, 1988 para algabase.org

233.4 - 14.34 Giordano and Maberly (1989) y Mercado et al (1997) para algabase.org

136.3 - 10.37 Giordano and Maberly (1989) y Mercado et al (1997) para algabase.org

261.9 - 14.46

268.6 - 11.63

283.4 - 13.30 Bowes 1969 para U. expansa

192.9 - 17.51

185.4 - 15.35

31.4 - 15.00 Björk et al 1993 para Ulva sp

225.4 - 15.37

252.3 - 15.89

199.2 - 17.10

244.3 - 17.98

181.5 - 16.47

303.2 - 17.57 Bowes 1969 para U. expansa

226.4 - 16.25 Larsson et al 1987 para U. intestinalis Riosmena-Rodriguez et al 2005

256.0 - 17.27 Larsson et al 1987 para U. intestinalis Riosmena-Rodriguez et al 2005

269.8 - 18.09

227.5 - 12.67 Larsson et al 1987 para U. intestinalis Riosmena-Rodriguez et al 2005

291.9 - 15.15 Larsson et al 1987 para U. intestinalis Riosmena-Rodriguez et al 2005

152.6	-	17.42		
194.7	-	15.34		
245.0	-	16.15		
115.8	-	14.85		
269.9	-	16.32	Giordano and Maberly (1989) y Mercado et al (1998)	
216.5	-	13.13		
261.3	-	14.83		
159.0	-	17.52		
229.7	-	15.96	Bowes 1969 para U. expansa	
238.2	-	12.22	Björk et al 1993 para Ulva sp	
174.0	-	13.26		
222.5	-	16.68		
109.9	-	18.27		
249.4	-	17.43	Bowes 1969 para U. expansa	
275.8	-	15.97	Larsson et al 1987 para U. intestinalis	Riosmena-Rodriguez et al 2005
252.5	-	14.90		
192.2	-	15.66		
219.2	-	17.24		
273.9	-	15.90	Larsson et al 1987 para U. intestinalis	Riosmena-Rodriguez et al 2005
143.0	-	16.11		
234.5	-	15.23		
178.1	-	11.44		
261.2	-	13.64		
226.2	-	14.36		
173.4	-	16.90		
185.8	-	8.95	Larsson et al 1987 para U. intestinalis	Riosmena-Rodriguez et al 2005
334.9	-	11.83		
186.8	-	12.53		
258.3	-	5.78		
109.5	-	6.92		
161.3	-	4.40		
239.7	-	5.76		
186.3	-	5.86		
224.7	-	7.27		
329.0	-	15.65		
236.0	-	15.24	Mercado et al 1998 para D. dichotoma y HCO <sub>3</sub> p	
147.1	-	6.50	Mercado et al 1998 para D. dichotoma y HCO <sub>3</sub> p	
389.5	-	15.31	Mercado et al 1998 para D. dichotoma y HCO <sub>3</sub> p	
294.5	-	17.78	Mercado et al 1998 para D. dichotoma y HCO <sub>3</sub> p	
329.7	-	13.20	Mercado et al 1998 para D. dichotoma y HCO <sub>3</sub> p	
327.6	-	16.71	Mercado et al 1998 para D. dichotoma y HCO <sub>3</sub> p	
279.2	-	9.36	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
128.8	-	9.57	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
221.1	-	7.94	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
176.4	-	12.13	Enriquez y Rodriguez-Roman, 2006 para P. Santa	



168.3	-	10.95	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
153.7	-	13.10	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
251.2	-	9.77		
294.6	-	16.12	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
146.3	-	10.74	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
145.9	-	10.84	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
285.6	-	9.80	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
285.6	-	9.91	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
90.7	-	17.63		
265.0	-	12.95		
283.4	-	13.14	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
239.1	-	14.50	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
77.5	-	9.19	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
227.1	-	13.07	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
229.7	-	14.36	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
256.8	-	11.68	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
303.8	-	10.06	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
279.1	-	12.78	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
253.7	-	11.13	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
336.2	-	11.83	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
129.4	-	10.03	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
202.3	-	12.85	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
193.2	-	12.97	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
312.4	-	12.47	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
167.7	-	15.99		
160.8	-	11.17	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
179.2	-	11.13	Enriquez y Rodriguez-Roman, 2006 para P. Santa	
119.3	-	5.27	Mercado et al (1998) para C sinuosa	algabase.org
135.3	-	12.54	Mercado et al (1998) para C sinuosa	algabase.org
194.3	-	5.69	Mercado et al (1998) para C sinuosa	algabase.org
129.1	-	12.22	Mercado et al (1998) para C sinuosa	algabase.org
295.5	-	7.09	Mercado et al (1998) para C sinuosa	algabase.org
128.5	-	8.94	Mercado et al (1998) para C sinuosa	algabase.org
217.7	-	4.83	Mercado et al (1998) para C sinuosa	algabase.org
230.5	-	10.41	Mercado et al (1998) para C sinuosa	algabase.org
205.7	-	9.10	Mercado et al (1998) para C sinuosa	algabase.org
115.7	-	6.81	Mercado et al (1998) para C sinuosa	algabase.org
184.6	-	8.04	Mercado et al (1998) para C sinuosa	algabase.org
117.8	-	11.10	Mercado et al (1998) para C sinuosa	algabase.org
256.3	-	6.99	Mercado et al (1998) para C sinuosa	algabase.org
203.6	-	14.84	Mercado et al (1998) para C sinuosa	algabase.org
113.5	-	2.20	Mercado et al (1998) para C sinuosa	algabase.org
363.8	-	10.11	Mercado et al (1998) para C sinuosa	algabase.org
167.8	-	4.40	Mercado et al (1998) para C sinuosa	algabase.org
101.8	-	7.16	Mercado et al (1998) para C sinuosa	algabase.org

168.3	-	7.64	Mercado et al (1998) para C sinuosa	algabase.org
194.6	-	16.48	Mercado et al (1998) para C sinuosa	algabase.org
261.1	-	11.94	Mercado et al (1998) para C sinuosa	algabase.org
128.4	-	11.77	Mercado et al (1998) para C sinuosa	algabase.org
189.7	-	5.42	Mercado et al (1998) para C sinuosa	algabase.org
82.8	-	5.32	Mercado et al (1998) para C sinuosa	algabase.org
273.8	-	6.15	Mercado et al (1998) para C sinuosa	algabase.org
174.9	-	6.77	Mercado et al (1998) para C sinuosa	algabase.org
298.7	-	7.72	Mercado et al (1998) para C sinuosa	algabase.org
306.0	-	7.83	Mercado et al (1998) para C sinuosa	algabase.org
153.0	-	6.31	Mercado et al (1998) para C sinuosa	algabase.org
157.6	-	6.32	Mercado et al (1998) para C sinuosa	algabase.org
126.8	-	5.05	Mercado et al (1998) para C sinuosa	algabase.org
214.6	-	7.16	Mercado et al (1998) para C sinuosa	algabase.org
376.5	-	17.19	Mercado et al (1998) para C sinuosa	algabase.org
221.5	-	8.28	Mercado et al (1998) para C sinuosa	algabase.org
57.0	-	9.18	Mercado et al (1998) para C sinuosa	algabase.org
318.1	-	19.19	Mercado et al (1998) para C sinuosa	algabase.org
259.0	-	6.52	Mercado et al (1998) para C sinuosa	algabase.org
244.4	-	9.41	Mercado et al (1998) para C sinuosa	algabase.org
221.3	-	10.35	Mercado et al (1998) para C sinuosa	algabase.org
228.5	-	7.81	Mercado et al (1998) para C sinuosa	algabase.org
210.9	-	10.61	Mercado et al (1998) para C sinuosa	algabase.org
332.9	-	6.54	Mercado et al (1998) para C sinuosa	algabase.org
279.7	-	8.32	Mercado et al (1998) para C sinuosa	algabase.org
183.4	-	8.41	Mercado et al (1998) para C sinuosa	algabase.org
214.6	-	14.12	Mercado et al (1998) para C sinuosa	algabase.org
238.9	-	10.47	Mercado et al (1998) para C sinuosa	algabase.org
143.3	-	7.30	Mercado et al (1998) para C sinuosa	algabase.org
304.8	-	9.77	Mercado et al (1998) para C sinuosa	algabase.org
200.4	-	6.57	Mercado et al (1998) para C sinuosa	algabase.org
311.9	-	9.28	Mercado et al (1998) para C sinuosa	algabase.org
267.2	-	16.63	Mercado et al (1998) para C sinuosa	algabase.org
136.9	-	8.14	Mercado et al (1998) para C sinuosa	algabase.org
118.7	-	8.83	Mercado et al (1998) para C sinuosa	algabase.org
173.3	-	8.91	Mercado et al (1998) para C sinuosa	algabase.org
255.4	-	16.27	Mercado et al (1998) para C sinuosa	algabase.org
246.3	-	10.36	Mercado et al (1998) para C sinuosa	algabase.org
143.8	-	8.40	Mercado et al (1998) para C sinuosa	algabase.org
112.1	-	9.55	Mercado et al (1998) para C sinuosa	algabase.org
221.3	-	9.57	Mercado et al (1998) para C sinuosa	algabase.org
195.5	-	8.53	Mercado et al (1998) para C sinuosa	algabase.org
238.7	-	18.98	Mercado et al (1998) para C sinuosa	algabase.org
196.6	-	11.17	Mercado et al (1998) para C sinuosa	algabase.org
296.3	-	10.46	Zou et al, 2011 para S. henslowianum	

85.6	-	7.95	Zou et al, 2011 para S. henslowianum	
283.9	-	13.46	Zou et al, 2011 para S. henslowianum	
353.8	-	12.95	Zou et al, 2011 para S. henslowianum	
67.1	-	19.18	Zou et al, 2011 para S. henslowianum	
256.6	-	16.01	Zou et al, 2011 para S. henslowianum	
269.1	-	14.01	Zou et al, 2011 para S. henslowianum	
261.5	-	13.53	Zou et al, 2011 para S. henslowianum	
300.6	-	12.26	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
272.9	-	14.68	Zou et al, 2011 para S. henslowianum	
375.4	-	14.56	Zou et al, 2011 para S. henslowianum	
384.2	-	13.32	Zou et al, 2011 para S. henslowianum	
528.9	-	12.64	Zou et al, 2011 para S. henslowianum	
163.7	-	19.85	Zou et al, 2011 para S. henslowianum	
279.6	-	9.81	Zou et al, 2011 para S. henslowianum	
281.6	-	17.95	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
363.4	-	12.91	Zou et al, 2011 para S. henslowianum	
296.6	-	14.10	Zou et al, 2011 para S. henslowianum	
277.9	-	21.10	Zou et al, 2011 para S. henslowianum	
337.2	-	12.81	Zou et al, 2011 para S. henslowianum	
284.0	-	14.18	Zou et al, 2011 para S. henslowianum	
247.0	-	14.19	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
316.0	-	12.33	Zou et al, 2011 para S. henslowianum	
329.1	-	12.82	Zou et al, 2011 para S. henslowianum	
259.7	-	12.10	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
201.0	-	12.13	Zou et al, 2011 para S. henslowianum	
482.0	-	12.28	Zou et al, 2011 para S. henslowianum	
240.8	-	12.96	Zou et al, 2011 para S. henslowianum	
276.7	-	17.65	Zou et al, 2011 para S. henslowianum	
182.8	-	16.87	Zou et al, 2011 para S. henslowianum	
360.1	-	14.75	Zou et al, 2011 para S. henslowianum	
346.3	-	17.26	Zou et al, 2011 para S. henslowianum	
295.4	-	13.66	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
361.6	-	16.80	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
329.4	-	17.33	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993
260.2	-	12.82	Zou et al, 2011 para S. henslowianum	
313.3	-	14.47	Zou et al, 2011 para S. henslowianum	
372.1	-	15.75	Zou et al, 2011 para S. henslowianum	
301.8	-	17.19	Zou et al, 2011 para S. henslowianum	
244.8	-	15.14	Zou et al, 2011 para S. henslowianum	
352.7	-	15.86	Zou et al, 2011 para S. henslowianum	
409.0	-	13.50	Zou et al, 2011 para S. henslowianum	
290.6	-	16.75	Zou et al, 2011 para S. henslowianum	
313.0	-	12.94	Zou et al, 2011 para S. henslowianum	
294.7	-	16.36	Zou et al, 2011 para S. henslowianum	
280.3	-	11.80	Zou et al, 2011 para S. henslowianum	Espinoza-Avalos, 1993

238.1	-	19.72	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
220.1	-	17.71	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
298.2	-	11.51	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
293.4	-	12.97	Zou et al, 2011 para <i>S. henslowianum</i>	
277.0	-	14.61	Zou et al, 2011 para <i>S. henslowianum</i>	
352.6	-	9.62	Zou et al, 2011 para <i>S. henslowianum</i>	
320.0	-	12.98	Zou et al, 2011 para <i>S. henslowianum</i>	
131.0	-	17.17	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
277.7	-	12.06	Zou et al, 2011 para <i>S. henslowianum</i>	
252.5	-	13.10	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
294.9	-	17.14	Zou et al, 2011 para <i>S. henslowianum</i>	
256.1	-	15.37	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
293.1	-	12.86	Zou et al, 2011 para <i>S. henslowianum</i>	
293.2	-	13.87	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
342.0	-	13.51	Zou et al, 2011 para <i>S. henslowianum</i>	
333.2	-	18.85	Zou et al, 2011 para <i>S. henslowianum</i>	
262.5	-	13.96	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
255.9	-	16.53	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
241.6	-	17.66	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
248.1	-	14.22	Zou et al, 2011 para <i>S. henslowianum</i>	
269.4	-	16.06	Zou et al, 2011 para <i>S. henslowianum</i>	
271.0	-	17.24	Zou et al, 2011 para <i>S. henslowianum</i>	Espinoza-Avalos, 1993
330.5	-	20.10	Mercado et al (1998) para <i>P. leucosticta</i>	Broom et al 2002
84.7	-	14.91		
322.9	-	12.84	Giordano y Maberly, 1989; Jhonston et al 1992; l	
312.4	-	18.54		
158.3	-	6.94	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
68.4	-	21.04	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
145.3	-	12.49		
174.8	-	12.69		
200.4	-	13.91		
178.5	-	16.13		
184.8	-	11.46		
143.6	-	5.66	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
255.4	-	14.79	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
176.7	-	13.26		
187.1	-	13.75		
310.5	-	20.72	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
245.8	-	16.61		
237.0	-	15.84	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
176.9	-	16.91	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
181.0	-	16.83		
336.5	-	19.11		
305.5	-	14.31	Moulin et al, 2011; Gioardano y Maberly 1989 pa	
385.5	-	16.91		

196.8 - 16.30  
 250.9 - 15.58  
 365.3 - 21.37 Moulin et al, 2011; Gioardano y Maberly 1989 pa  
 83.0 - 15.77  
 245.9 - 13.37 Murru y Sandgreen, 2004 para Halymenia schizyr  
 293.4 - 14.14 Murru y Sandgreen, 2004 para Halymenia schizyr  
 128.8 - 32.96 Murru y Sandgreen, 2004 para Schizymenia pacif  
 164.6 - 34.61 Murru y Sandgreen, 2004 para Schizymenia pacif  
 276.0 - 24.51 Murru y Sandgreen, 2004 para Halymenia schizyr  
 157.6 - 20.70 Borowitzka, 1981 para A. anceps  
 148.1 - 6.31 Borowitzka, 1981 para A. anceps  
 112.7 - 8.31 Giordano y Maberly, 1989; Moulin et al 2011  
 169.6 - 6.47 Espinoza-Avalos, 1993  
 187.5 - 16.70 Espinoza-Avalos, 1993  
 315.1 - 16.09 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 346.1 - 12.78 Garcia-Sanchez et al. 1994 para G. tenuistipitata Espinoza-Avalos, 1993  
 228.1 - 13.16 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 261.2 - 15.12 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 314.2 - 11.88 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 335.2 - 12.03 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 324.6 - 12.65 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 287.6 - 12.74 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 257.1 - 14.51 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 912.0 - 16.82 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 83.0 - 12.66  
 161.8 - 14.55  
 207.9 - 6.54  
 247.4 - 13.31 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 332.6 - 12.04 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 282.3 - 12.24 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 265.4 - 15.97  
 388.4 - 14.79 Bowes, 1969 para Gigartina armata  
 334.2 - 14.08 Garcia-Sanchez et al. 1994 para G. tenuistipitata Espinoza-Avalos, 1993  
 305.5 - 17.80 Garcia-Sanchez et al. 1994 para G. tenuistipitata Espinoza-Avalos, 1993  
 340.2 - 14.63 Murru y Sandgreen, 2004 para Ahnfeltiopsis lept  
 225.9 - 17.16 Cook et al 1988 para Rhodoglossum affine  
 109.9 - 10.14 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 174.9 - 17.57 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 245.9 - 19.13 Garcia-Sanchez et al. 1994 , Mercado et al, 1997  
 253.6 - 14.50 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 340.9 - 18.75 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 378.7 - 13.96 Garcia-Sanchez et al. 1994 para G. tenuistipitata  
 238.7 - 13.75  
 214.4 - 15.27  
 245.9 - 13.02 Mercado et al (1998) para Gymnogongrus sp y Co

179.3 - 15.07  
 360.6 - 15.96  
 214.8 - 16.09 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 257.6 - 14.61 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 302.0 - 19.07 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 306.2 - 16.02 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 265.3 - 13.62  
 219.6 - 14.95  
 140.4 - 12.79  
 270.2 - 13.66  
 253.6 - 11.75 Mercado et al (1998) para *Gymnogongrus* sp y Co  
 328.6 - 11.88 Mercado et al (1998) para *Gymnogongrus* sp y Co  
 290.8 - 12.97 Mercado et al (1998) para *Gymnogongrus* sp y Co  
 311.0 - 17.76 Mercado et al (1998) para *Gymnogongrus* sp y Co  
 185.3 - 16.69  
 345.5 - 13.77 Garcia-Sanchez et al. 1994 para *G. tenuistipitata* Espinoza-Avalos, 1993  
 363.6 - 18.24 Garcia-Sanchez et al. 1994 para *G. tenuistipitata* Espinoza-Avalos, 1993  
 178.0 - 15.25  
 133.4 - 19.16  
 228.3 - 11.53  
 339.6 - 15.01 Cook 1988 para *Gelidium exasperata* y *G. crinale*,  
 320.0 - 19.23  
 326.0 - 13.12  
 369.6 - 13.99  
 346.4 - 15.32 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 327.1 - 13.61 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 318.2 - 17.33 Garcia-Sanchez et al. 1994 para *G. tenuistipitata* Espinoza-Avalos, 1993  
 281.2 - 18.05 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 267.4 - 14.99 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 310.6 - 15.21 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 188.5 - 17.13 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 258.1 - 15.30 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 264.4 - 18.10  
 366.4 - 13.51 Murru y Sandgreen, 2004 para *Ahnfeltiopsis lept*  
 209.8 - 17.58  
 300.1 - 12.72 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 338.6 - 14.14 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 326.4 - 15.30 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 207.0 - 12.57 Espinoza-Avalos, 1993  
 322.8 - 17.86 Garcia-Sanchez et al. 1994 para *G. tenuistipitata*  
 224.0 - 15.92  
 327.3 - 15.55  
 193.1 - 7.29 Bowes, 1969 para *Gigartina armata*  
 194.9 - 21.83 Bowes, 1969 para *Gigartina armata*  
 294.0 - 15.77 Murru y Sandgreen, 2004 para *Prionitis lyallii* y P

173.5	-	8.40		Espinoza-Avalos, 1993
280.5	-	16.92	Bowes, 1969 para <i>Gigartina armata</i>	
196.0	-	8.81	Garcia-Sanchez et al. 1994 para <i>G. tenuistipitata</i>	
254.6	-	13.52	Bowes, 1969 para <i>Gigartina armata</i>	
279.6	-	14.44	Bowes, 1969 para <i>Gigartina armata</i>	
249.9	-	15.44	Bowes, 1969 para <i>Gigartina armata</i>	
325.8	-	13.77	Garcia-Sanchez et al. 1994 para <i>G. tenuistipitata</i>	
352.6	-	17.95		
93.0	-	13.24	Mercado et al (1998) para <i>Gymnogongrus</i> sp y Co	
291.2	-	13.88		
290.4	-	17.14	Garcia-Sanchez et al. 1994 para <i>G. tenuistipitata</i>	
182.6	-	7.94		Espinoza-Avalos, 1993
200.9	-	14.29		
356.2	-	10.61	Cooek 1988 para <i>Gelidium exasperata</i> y <i>G crinale</i>	
338.1	-	15.06	Cook et al 1988 para <i>Rhodoglossum affine</i>	
197.8	-	11.76		
284.3	-	20.31	Garcia-Sanchez et al. 1994 para <i>G. tenuistipitata</i>	Espinoza-Avalos, 1993
195.4	-	20.72	Garcia-Sanchez et al. 1994 para <i>G. tenuistipitata</i>	
345.3	-	12.63		
301.6	-	13.49	Cook et al 1988 para <i>Pterocladia Capillacea</i> y <i>Bov</i>	
382.2	-	14.11		
149.2	-	16.08		
257.6	-	23.20	Mercado et al (1998) para <i>Gymnogongrus</i> sp y Co	
293.1	-	17.19	Mercado et al (1998) para <i>Gymnogongrus</i> sp y Co	
278.5	-	19.88		
221.0	-	16.63	Garcia-Sanchez et al. 1994 para <i>G. tenuistipitata</i>	Espinoza-Avalos, 1993
336.8	-	13.16	Garcia-Sanchez et al. 1994 para <i>G. tenuistipitata</i>	Espinoza-Avalos, 1993
306.8	-	17.01	Garcia-Sanchez et al. 1994 para <i>G. tenuistipitata</i>	
292.4	-	17.91	Murru y Sandgreen, 2004 para <i>Ahnfeltiopsis lept</i>	
276.8	-	16.98	Bowes, 1969 para <i>L. papillosa</i>	
293.3	-	13.52	Bowes, 1969 para <i>L. papillosa</i>	
234.4	-	15.95	Bowes, 1969 para <i>L. papillosa</i>	Espinoza-Avalos, 1993
257.4	-	15.55	Bowes, 1969 para <i>L. papillosa</i>	Espinoza-Avalos, 1993
330.7	-	12.69	Bowes, 1969 para <i>L. papillosa</i>	
336.5	-	14.24	Bowes, 1969 para <i>L. papillosa</i>	
375.4	-	14.65	Bowes, 1969 para <i>L. papillosa</i>	
265.9	-	13.82	Bowes, 1969 para <i>L. papillosa</i>	
154.5	-	10.95	Bowes, 1969 para <i>L. papillosa</i>	
277.1	-	12.76	Bowes, 1969 para <i>L. papillosa</i>	
363.8	-	15.37	Bowes, 1969 para <i>L. papillosa</i>	
482.3	-	18.97	Bowes, 1969 para <i>L. papillosa</i>	
271.3	-	14.72	Bowes, 1969 para <i>L. papillosa</i>	
385.5	-	12.70	Bowes, 1969 para <i>L. papillosa</i>	
216.4	-	16.05		
170.2	-	14.21		

142.3 - 20.11

255.4 - 18.77

218.2 - 12.44 Bowes, 1969 para *L. papillosa*