

Seagrass/Community	Location	Lat	Long	aboveground biomass (gDW m ⁻²)		
seagrass Sediment Delta13C (‰)			Fraction	Seagrass Delta13C (‰)		
Seagrass Sediment Organic matter (%)			seagrass Sediment POC (% DW)			seagrass
Sediment PON (% DW)	leaves with epiphytes=1	new_site=1	Reference			Comments
Posidonia_oceanica	El_Arenal	38.64	0.05	-17.8	<63_μm	-12.6
0.6 0.06 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Torre_de_la_Sal	40.14	0.18	-20.4	<63_μm	-
10.6 0.91 0.1	0 1	Papadimitriou et al (2005)				
Posidonia_oceanica	Xilxes	39.75	-0.13	-21.1	<63_μm	-12.3
0.48 0.05 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Campomanes	38.63	-0.01	-17.5	<63_μm	-10.6
1.25 0.1 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	La_Fossa	38.64	0.08	-17.4	<63_μm	-12.5
2.54 0.22 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Giverola	41.74	2.96	-19.9	<63_μm	-12
1.38 0.14 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Port_Lligat	42.29	3.29	-19.1	<63_μm	-11.5
1.18 0.13 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Jonquet	42.3	3.29	-20	<63_μm	-11.4
1.41 0.15 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Fanals	41.69	2.84		<63_μm	-12.4
1.29 0.1 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Calvia	39.54	2.59	-18.6	<63_μm	-12.3
1.97 0.2 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Pollen•a	39.9	3.09	-16	<63_μm	-13.2
4.56 0.32 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Formentor	39.91	3.1	-15.8	<63_μm	-11.9
0.28 0.19 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Colonia_SJ	39.31	3	-16.9	<63_μm	-13.1
2.6 0.25 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Magaluf	39.5	2.54	-15.3	<63_μm	-12.4
4.09 0.3 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Cap_Enderrocat	39.45	2.74	-18.6	<63_μm	-
13.3 1.54 0.15	0 1	Papadimitriou et al (2005)				
Posidonia_oceanica	Illetes-For	38.76	1.43		<63_μm	-14
2.6 0.19 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Es_Pujols	38.73	1.45	-17.4	<63_μm	-15.8
1.35 0.11 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Cala_Torreta	38.79	1.42		<63_μm	-
12.3 3.4	0 1	Papadimitriou et al (2005)				
Posidonia_oceanica	Mooring 22	39.15	2.93	-17	<63_μm	-12.4
2.68 0.23 0	1	Papadimitriou et al (2005)				
Posidonia_oceanica	Santa_Maria#1	39.15	2.95	-16.4	<63_μm	-
13.8 3.6 0.24	0 1	Papadimitriou et al (2005)				
Posidonia_oceanica	Santa_Maria#2	39.15	2.95	-16	<63_μm	-
15.1 1.13 0.09	0 1	Papadimitriou et al (2005)				
Posidonia_oceanica	Es_Castell	39.15	2.93	-16	<63_μm	-12.7
0.89 0.07 0	1	Papadimitriou et al (2005)				
Mixed_community	Silaqui	16.44	119.92	148	-9.9 <2mm	-5.4
1.72 0.21 0	1	Kennedy et al (2004)			Thalassia hemprichii,	
					Enhalus acoroides, Cymodocea rotundata, Cymodocea serrulata, Syringodium	
					isoetifolium, Halodule uninervis	
Mixed_community	Pislatan	16.37	119.96	87	-14.1 <2mm	-5.9
1.5 0.18 0	1	Kennedy et al (2004)			Thalassia hemprichii,	
					Enhalus acoroides, Cymodocea serrulata, Cymodocea rotundata, Halodule uninervis,	
					Syringodium isoetifolium	
Thalassia_hemprichi	iBai_Tien	12.3	109.23	46	-16.3 <2mm	
0.23 0.03 0	1	Kennedy et al (2004)				
Enhalus_acoroides	Dam_Gia	12.22	109.26	129	-16.3 <2mm	-6
0.37 0.04 0	1	Kennedy et al (2004)				
Mixed_community	Mi_Giang1	12.48	109.29	120	-12.5 <2mm	-7.9

0.44	0.06	0	1	Kennedy et al (2004)	Thalassia hemprichii,			
Enhalus	acoroides,	Cymodocea	rotundata,	Cymodocea	serrulata,	Halodule	uninervis	
Mixed_community	Mi_Giang2	12.49	109.3	116	-13.6	<2mm	0.36	
0.05	0	1		Kennedy et al (2004)	Thalassia hemprichii,	Cymodocea		
serrulata,	Enhalus	acoroides						
Mixed_community	Can_Rhan	12.03	109.2	7	-18.2	<2mm	-7.8	0.3
0.03	0	1		Kennedy et al (2004)	Enhalus	acoroides,	Halodule	
uninervis,	halophila	ovalis						
Enhalus	acoroides	St_Bartbara	16.35	119.93	8	-23.5	<2mm	-9.9
0.52	0.06	0	1	Kennedy et al (2004)				
Mixed_community	Buena_Vista	10.07	118.81	117	-16	<2mm	-8	
0.44	0.05	0	1	Kennedy et al (2004)	Cymodocea	serrulata,		
Enhalus	acoroides,	Halodule	uninervis					
Enhalus	acoroides	Umumlaga(S)	10.03	118.78	56	-26.6	<2mm	-12.3
0.45	0	1		Kennedy et al (2004)				11
Zostera	japonica	Ghia_Luan(S)	20.85	106.98		-26.4	<2mm	-12.2
1.13	0.09	0	1	Kennedy et al (2004)				
Posidonia	oceanica	Agua_Amarga	36.94	-1.93		-21.4	<63_μm	-12.3
0	1			Kennedy et al (2004)				
Zostera	marina	Oresund	55.9	12.54	-20.1	-9.6		0.612
0.07	0	1		Papadimitriou et al (2005)				
Zostera	marina	Kulhulse	55.07	11.9	-16.6	-9		0.804
0.098	0	1		Papadimitriou et al (2005)				
Zostera	marina	Ellinge(S)	55.74	12.07	-17.3	-9.6		1.572
0.196	0	1		Papadimitriou et al (2005)				
Zostera	marina	Ellinge(D)	55.74	12.07	-18.7	-10.2		2.784
0.294	0	1		Papadimitriou et al (2005)				
Zostera	marina	Skuldelev	55.79	12.06	-19.6	-13.3		3.48
0.35	0	1		Papadimitriou et al (2005)				
Zostera	marina	Staergard	55.89	12.01	-17.3	-11.2		2.928
0.238	0	1		Papadimitriou et al (2005)				
Zostera	marina	Eskildso	55.74	12.07		-12.6		0
0	1			Papadimitriou et al (2005)				
Zostera	marina	Okseholme(S)	55.72	12.02	-20.2		-12.5	
3.456	0.28	0	1	Papadimitriou et al (2005)				
Zostera	marina	Okseholme(D)	55.72	12.02			-14.4	3
0	1			Papadimitriou et al (2005)				
Zostera	marina	Slipshavn	55.29	10.82	-20	7%silt	-10	
0.07	0	1		Boschker et al (2000)				
Zostera	marina	Slipshavn	55.12	10.82	-18	49%silt	-7.5	
2.2	0	1		Boschker et al (2000)				
Zostera	marina	Sint_Annaland	51.6	-4.1	-23	28%silt	-15	
0.36	0	1		Boschker et al (2000)				
Zostera	marina	Arcachon	44.66	-1.15	-19	13%silt	-8	
0.22	0	1		Boschker et al (2000)				
Zostera	noltii	Arcachon	44.66	-1.15	-17	18%silt	-11	
0.41	0	1		Boschker et al (2000)				
Zostera	noltii	Arcachon	44.66	-1.15	-18	65%silt	-11	
1.92	0	1		Boschker et al (2000)				
Cymodocea	rotundata	Phuket,Thailan	8.04	98.42	62.2	-22.2		-12.4
0.55	0.027	0	1	Holmer et al (2001)				
Thalassia	hemprichii	Phuket,Thailan	8.04	98.42	52.5	-22.2		-11.8
0.51	0.025	0	1	Holmer et al (2001)				
Posidonia	oceanica	Magaluf	39.5	2.54	490	-17.9		-12.8
9.3	1.01	0	0	Holmer et al (2004)				
Posidonia	oceanica	Santa_Maria	39.15	2.54	612	-22.6		-14.7
0.09	0	0		Holmer et al (2004)				1
Posidonia	oceanica	Sa_Paret	39.14	2.92	471	-21.6		-13.5
4.4	0.45	0	0	Holmer et al (2004)				
Posidonia	oceanica	Porto_Colom	39.42	3.27	527	-16		-12.5
3.1	0.21	0	1	Holmer et al (2004)				

Cymodocea_nodosa	Es_Port	39.42	2.93	226	-20.1	-9	1.6
0.13	0	1	Holmer et al (2004)				
Posidonia_oceanica	3Alicante,Sp	38.14	-0.37	645	-16.01		
3.53	0.07	0	1	Holmer et al (2007)			
Posidonia_oceanica	4Alicante,Sp	38.42	-0.37	942	-14.73		
3.16	0.12	0	1	Holmer et al (2007)			
Posidonia_oceanica	5Alicante,Sp	38.42	-0.37	1094	-18.05		
0.96	0	0	1	Holmer et al (2007)			
Posidonia_oceanica	3Sicily,It	36.42	15.14	63	-20.74		
0.41	0.06	0	1	Holmer et al (2007)			
Posidonia_oceanica	5Sicily,It	36.69	15.14	375	-20.09		
1.18	0.09	0	1	Holmer et al (2007)			
Posidonia_oceanica	3Athens,Gr	37.64	24.03	267	-24.55		
1.45	0.12	0	1	Holmer et al (2007)			
Posidonia_oceanica	4Athens,Gr	37.64	24.03	718	-24.43		
1.33	0.08	0	1	Holmer et al (2007)			
Posidonia_oceanica	5Athens,Gr	37.64	24.03	857	-24.51		
0.96	0.06	0	1	Holmer et al (2007)			
Posidonia_sinuosa	WoodmanPoint,WA	-32.14		115.74	170.48	-21.62	
-10.64	2.37	0.4	0.04	0	1	Holmer unpublished data	
Amphibolis_australis	WoodmanPoint,WA	-32.14		115.74	2315.03	-	
17.99	-10.89	2.24	0.38	0.04	0	1	Holmer unpublished data
Heterozostera_nigraulis	WoodmanPoint,WA	-32.14		115.74	92.99	-15.76	
-10.63	2.52	0.36	0.05	0	1	Holmer unpublished data	
Posidonia_sinuosa	Rottneest,WA	-32.01		115.49	377.55	-17.99	
-10.33	3.36	0.45	0.06	0	1	Holmer unpublished data	
Amphibolis_australis	Rottneest,WA	-32.01		115.49	1407.01	-18.17	
-9.81	3	0.38	0.06	0	1	Holmer unpublished data	
Heterozostera_nigraulis	Rottneest,WA	-32.01		115.49	20.42	-20.47	
-10.76	2.8	0.4	0.05	0	1	Holmer unpublished data	
Thalassia_testudinum	FKeys_site_214	25.25	-80.3	27.10	-14.13	Bulk	-
7.34	4.33	1.12	0.1625	0	1	Holmer unpublished data "biomass and seagrass d13C are means of quarterly samples collected between 1996 and 2002, Seagrass d13C is Thalassia only. Sediment data from June 2001"	
Mixed_community	FKeys_site_215	25.22	-80.21	65.95	-15.59	Bulk	-
8.27	2.43	0.42	0.0495	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)	
Fourqurean et al (2001); Fourqurean et al (2005)						Thalassia testudinum and Syringodium filiforme	
Mixed_community	FKeys_site_216	25.18	-80.26	24.28	-16.29	Bulk	-
8.97	2.08	0.15	0.035	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)	
Fourqurean et al (2001); Fourqurean et al (2005)						Syringodium filiforme and Thalassia testudinum	
Thalassia_testudinum	FKeys_site_220	25.11	-80.37	48.35	-12.18		
Bulk	-8.07	3.97	1.02	0.1175	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Mixed_community	FKeys_site_223	25.06	-80.42	60.03	-12.21	Bulk	-
7.56	3.68	0.87	0.0975	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)	
Fourqurean et al (2001); Fourqurean et al (2005)						Thalassia testudinum and Syringodium filiforme	
Mixed_community	FKeys_site_225	25.01	-80.38	87.53	-15.6	Bulk	-8.38
2.30	0.29	0.0405	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)		
Fourqurean et al (2001); Fourqurean et al (2005)						Thalassia testudinum and Syringodium filiforme	
Thalassia_testudinum	FKeys_site_227	25	-80.47	42.24	-13.18		
Bulk	-8.50	3.27	0.73	0.089	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Fourqurean et al (2001); Fourqurean et al (2005)							
Thalassia_testudinum	FKeys_site_235	24.87	-80.67	31.47	-13.08		
Bulk	-8.57	3.20	0.81	0.095	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Fourqurean et al (2001); Fourqurean et al (2005)							
Mixed_community	FKeys_site_237	24.86	-80.66	33.93	-14.84	Bulk	-
8.65	2.94	0.63	0.0815	0	1	Fourqurean et al (in press);	

Fourqurean et al (2001); Fourqurean et al (2005)	Thalassia testudinum and Syringodium filiforme
Mixed_community FKeys_site_239	24.8 -80.72 38.27 Bulk -9.09
1.89 0.12 0.036 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Thalassia testudinum and Syringodium filiforme	
Mixed_community FKeys_site_241	24.8 -80.81 58.66 -16.57 Bulk -
7.68 4.51 1.29 0.163 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Thalassia testudinum and Syringodium filiforme	
Mixed_community FKeys_site_243	24.74 -80.8 54.07 -13.78 Bulk -9.01
2.19 0.12 0.044 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Thalassia testudinum and Syringodium filiforme	
Mixed_community FKeys_site_248	24.69 -80.98 43.16 -17.66 Bulk -
10.24 2.54 0.54 0.048 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Thalassia testudinum and Syringodium filiforme	
Mixed_community FKeys_site_255	24.62 -81.25 20.87 -16.07 Bulk -
9.10 2.21 0.83 0.043 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Thalassia testudinum and Syringodium filiforme	
Thalassia testudinum FKeys_site_260	24.63 -81.42 61.37 -16.58
Bulk -7.95 5.36 1.37 0.155 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Mixed_community FKeys_site_267	24.54 -81.49 35.36 -14.21 Bulk -
9.34 2.13 1.09 0.0445 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Thalassia testudinum and Syringodium filiforme	
Mixed_community FKeys_site_269	24.56 -81.56 27.12 -17.06 Bulk -
9.91 2.81 0.71 0.067 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Thalassia testudinum and Syringodium filiforme	
Mixed_community FKeys_site_271	24.54 -81.75 29.71 -15.38 Bulk -
9.85 2.79 0.74 0.0765 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Thalassia testudinum and Syringodium filiforme	
Mixed_community FKeys_site_273	24.48 -81.71 70.65 -15.49 Bulk -
9.03 2.39 0.40 0.032 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Thalassia testudinum and Syringodium filiforme	
Mixed_community FKeys_site_276	24.52 -81.63 49.87 -15.62 Bulk -
9.72 2.79 0.63 0.066 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Thalassia testudinum and Syringodium filiforme	
Mixed_community FKeys_site_284	24.88 -80.96 78.40 -15 Bulk -8.31
10.66 3.71 0.4565 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Syringodium filiforme and Thalassia testudinum	
Thalassia testudinum FKeys_site_285	24.81 -80.92 34.48 -16.11
Bulk -8.22 3.64 1.10 0.144 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Mixed_community FKeys_site_287	24.85 -81.01 63.02 -14.34 Bulk -
7.42 6.93 2.47 0.307 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Syringodium filiforme and Thalassia testudinum	
Mixed_community FKeys_site_291	24.82 -81.15 67.87 -14.27 Bulk -
10.10 8.57 3.185 0.366 0 1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
Syringodium filiforme and Thalassia testudinum	
Mixed_community FKeys_site_294	24.75 -81.17 55.25 -13.9 Bulk -8.11

4.97	1.705	0.209	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)	Syringodium filiforme and Thalassia testudinum
Mixed_community	FKeys_site_296	24.79	-81.29	77.99	-14.94	Bulk -
8.08	12.73	4.97	0.6165	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
						Thalassia testudinum and Syringodium filiforme
Mixed_community	FKeys_site_305	24.77	-81.55	62.39		Bulk -8.75
4.23	1.44	0.188	0	1		Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
						Thalassia testudinum and Syringodium filiforme
Mixed_community	FKeys_site_307	24.73	-81.52	37.92	-15.68	Bulk -
7.82	2.37	0.57	0.0785	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
						Thalassia testudinum and Syringodium filiforme
Mixed_community	FKeys_site_309	24.7	-81.68	43.76	-16.49	Bulk -
9.16	2.11	0.43	0.0505	0	1	Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
						Thalassia testudinum and Syringodium filiforme
Mixed_community	FKeys_site_314	24.77	-81.44	60.41	-12.8	Bulk -7.77
8.64	3.29	0.3955	0	1		Fourqurean et al (in press); Fourqurean et al (2001); Fourqurean et al (2005)
						Thalassia testudinum and Syringodium filiforme
Thalassia_testudinum	Bay_Duck_Key	24.91	-80.94	25.1	-14.53	
Bulk	-8.50	7.65	1.949	0.124	0	1
						"Armitage and Fourqurean (2009);, Fourqurean et al unpublished data"
Thalassia_testudinum	Bay_Bob_Allen	25.03	-80.68	24.2	-12.42	
Bulk	-7.60	11.416	3.256	0.23	0	1
						"Armitage and Fourqurean (2009);, Fourqurean et al unpublished data"
Mixed_community	Sprigger_Bank	25.18	-80.49	42.7	-15.73	Bulk -
6.53	10.941	2.832	0.225	0	1	"Armitage and Fourqurean (2009);, Fourqurean et al unpublished data"
						Syringodium filiforme and Thalassia testudinum
Halodule_wrightii	Laguna_Madre	27.5	-97.3	-15.368		Bulk -9.9
	0	1				Fry et al (1977) only one estimate of seagrass delta 13C for all beds sampled; coordinates taken from Google Earth
Halodule_wrightii	Laguna_Madre	27.5	-97.3	-15.782		Bulk -9.9
	0	1				Fry et al (1977) only one estimate of seagrass delta 13C for all beds sampled; coordinates taken from Google Earth
Halodule_wrightii	Laguna_Madre	27.5	-97.3	-15.495		Bulk -9.9
	0	1				Fry et al (1977) only one estimate of seagrass delta 13C for all beds sampled; coordinates taken from Google Earth
Halodule_wrightii	Laguna_Madre	27.5	-97.3	-15.114		Bulk -9.9
	0	1				Fry et al (1977) only one estimate of seagrass delta 13C for all beds sampled; coordinates taken from Google Earth
Halodule_wrightii	Laguna_Madre	27.5	-97.3	-14.382		Bulk -9.9
	0	1				Fry et al (1977) only one estimate of seagrass delta 13C for all beds sampled; coordinates taken from Google Earth
Halodule_wrightii	Laguna_Madre	27.5	-97.3	-15.495		Bulk -9.9
	0	1				Fry et al (1977) only one estimate of seagrass delta 13C for all beds sampled; coordinates taken from Google Earth
Halodule_wrightii	Laguna_Madre	27.5	-97.3	-16.577		Bulk -9.9
	0	1				Fry et al (1977) only one estimate of seagrass delta 13C for all beds sampled; coordinates taken from Google Earth
Zostera_noltii	Mondego,Pt	40.13	-8.83	-21.2		Bulk -12.5
0	1					Baeta et al (2009) "estimates are mean values for Nov 05, Feb 06, May 06, July 06"
Thalassodendron_ciliatum	Gazy_Bay	-4.4	39.5	-22.94		Bulk -
19.65	3.78	0	1			Hemminga et al (1994) site: subtidal MM
Thalassodendron_ciliatum	Gazy_Bay	-4.4	39.5	-20.61		Bulk -
18.3	2.22	0	1			Hemminga et al (1994) site: subtidal MS

Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-18.48	Bulk	-
15.77	0.68		0	1	Hemminga et al (1994)			site: subtidal	CS	
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-15.14	Bulk	-
10.7	0.67		0	1	Hemminga et al (1994)			site: subtidal	CC	
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-14.75	Bulk	-
10.72	0.63		0	1	Hemminga et al (1994)			site: Chale lagoon		
Mixed_community	Bone_Batang			-5.01	119.32			-12.03	<1 mm	-9.32
2.905	0		1	Kneer et al (2008)				"Thalassia hemprichii,		
Halodule uninervis,	Cymodocea			rotundata"						
Cymodocea_nodosa	Cadiz_Bay			36.47	-6.25	123		-15.15	bulk	-8.98
0.147	0.025		0	1	van Engeland (2010)			"Also data on roots,		
bacterial del13C, etc."										
Zostera_nolti	Cadiz_Bay			36.47	-6.25	65.6		-14.71	bulk	-9.45
0.108	0.019		0	1	van Engeland (2010)					
Cymodosa_nodosa	Stagnone_Mars.			37.84	12.46			-13		-7.5
0	1			Vizzini and Mazzola (2005)				"location A, winter"		
Cymodosa_nodosa	Stagnone_Mars.			37.84	12.46			-14.5		-6.7
0	0			Vizzini and Mazzola (2005)				"location A, spring"		
Cymodosa_nodosa	Stagnone_Mars.			37.84	12.46			-12.7		-6.9
0	0			Vizzini and Mazzola (2005)				"location A, summer"		
Cymodosa_nodosa	Stagnone_Mars.			37.84	12.46			-14		-7.3
0	0			Vizzini and Mazzola (2005)				"location A, autumn"		
Cymodosa_nodosa	Stagnone_Mars.			37.87	12.48			-12.6		-8.1
0	1			Vizzini and Mazzola (2005)				"location B, winter"		
Cymodosa_nodosa	Stagnone_Mars.			37.87	12.48			-13.7		-5.7
0	0			Vizzini and Mazzola (2005)				"location B, spring"		
Cymodosa_nodosa	Stagnone_Mars.			37.87	12.48			-12.6		-6.7
0	0			Vizzini and Mazzola (2005)				"location B, summer"		
Cymodosa_nodosa	Stagnone_Mars.			37.87	12.48			-15.1		-8.1
0	0			Vizzini and Mazzola (2005)				"location B, autumn"		
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-16		-10.7
1.32	0.15		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-16.3		-10.7
1.24	0.15		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-23.3		-18.6
0.8	0.06		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-25.5		-17.8
7	0.44		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-24.8		-17.8
3.82	0.32		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-21.4		-15.7
0.92	0.09		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-21.3		-15.7
0.81	0.07		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-21.1		-11.4
0.33	0.03		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-22.3		-11.4
0.46	0.04		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-22.3		-14.5
0.5	0.03		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-23.6		-14.5
0.93	0.05		0	1	Bouillon et al. (2004)					
Thalassodendron_ciliatum				Gazy_Bay	-4.4	39.5		-16.3		-13
2.54	0.29		0	1	Bouillon et al. (2004)					
Thalassia_testudinum	Laguna-Madre			26.1	-97.2			-11.3		-10.8
0	1			Jones et al. (2003)						
Thalassia_testudinum	Laguna-Madre			26.1	-97.2			-11.1		-10.8
0	1			Jones et al. (2003)						
Thalassia_testudinum	Laguna-Madre			26.1	-97.2			-11.2		-10.8
0	1			Jones et al. (2003)						
Thalassia_testudinum	Laguna-Madre			26.1	-97.2			-11.3		-10.8

	0	1	Jones et al. (2003)					
Thalassia_testudinum			Laguna-Madre	26.1	-97.2		-12.1	-10.8
	0	1	Jones et al. (2003)					
Thalassia_testudinum			Laguna-Madre	26.1	-97.2		-11.3	-10.8
	0	1	Jones et al. (2003)					
Thalassia_testudinum			Laguna-Madre	26.1	-97.2		-11	-10.8
	0	1	Jones et al. (2003)					
Thalassia_testudinum			Laguna-Madre	26.1	-97.2		-10	-10.8
	0	1	Jones et al. (2003)					
Mixed_community			North_River	34.42	-76.37		-19.7	
	0	1	Cifuentes and Salata (2001)				Zostera & Halodule	
Mixed_community			North_River	34.42	-76.37		-19.3	
	0	1	Cifuentes and Salata (2001)				Zostera & Halodule	
Thalassia_testudinum			Curacao	12.05	-68.8		-13.3	-10.5
	1	1	Nagelkerken and van der Velde (2004)					
Enhalus_acoroides			Khung_Krabea	12.33	101.54		-15.1	-10.5
	0.96	0.07	0	1	Thimdee et al. (2003)			
Posidonia_oceanica			Fanals,Sp	40.68	2.87		-20.1	-12.2
	1.06		1	1	Gacia et al. (2002)			
Posidonia_oceanica			Stagnone_Mars.	37.87	12.48		-11.8	-11.3
	0	1	Vizzini et al. (2002)					
Zostera_marina			Sea_of_Japan	42.5	131		-15.2	-7.2
	0	1	Kharlamenko et al. (2001)					
Posidonia_oceanica			Calvi_Bay	42.35	8.45		-18	-8.2
	1	1	Dauby (1989)					
Posidonia_oceanica			Calvi_Bay	42.35	8.45		-18.1	-8.2
	1	1	Dauby (1989)					
Zostera_marina							-15.9	-12.1
	1		Dauby et al (1998)				gives 2 values for Zostera	
Zostera_marina							-15.9	-13
	1		Dauby et al (1998)				value for sediments is for 'aerobic zone'	
Syringodium_filiforme				27.53	-80.33		-17.2	-7.1
	0	1	Fry (1984)					
Syringodium_filiforme				27.53	-80.33		-17.7	-9.4
	0	1	Fry (1984)					
Mixed_community			Biscayne_Bay	25.44	-80.2		-15.6	-11.1
	0	1	Kieckbusch et al. (2004)				Averaged d13C values for	
Thalassia and Syringodium								
Mixed_community			Schooner_Bank	25	-81		-15.3	-11.6
	0	1	Harrigan et al. (1989)					
Posidonia_sinuousa			Freemantle,WA	-32.08	115.7		-8.7	<0.2 mm -
	11.3		0	1	Smit et al (2006)			
Zostera_marina			Phillips_Is.	34.72	-76.68		-18.7	Bulk -10.2
	0	1	Thayer et al (1978)					
Ruppia_megacarpa			Wilson_Inlet,WA	-34.33	117.41			-19.6 bulk -
	14	1.6	0.21	0	1	Volkman et al (200)		
Thalassia_testudinum			Little_Madeira	25.18	-80.36			-16.5 bulk -
	8.4		0	1	Williams et al (2009)			
Thalassia_testudinum			Duke_Key	25.16	-80.51		-14.4	bulk -8.8
	0		0		Williams et al (2009)			
Thalassia_testudinum			Bob_Allen_Key	25.02	-80.31			-11.1 bulk -7
			0	0	Williams et al (2009)			
Thalassia_testudinum			Whipray_Basin	25.09	-80.22			-14.1 bulk -
	9.9		0	1	Williams et al (2009)			
Zostera_noltii			Anglesey	53.27	-4.58		-17.4	<0.63µm -8.8
	1.2		0	1	Papadimitriou et al (2006)			
Cymodocea_nodosa			Lake_Sabaudia	41.33	13.05		-23.7	-8.8
	0		1		Vizzini and Mazzola (2003)		Winter	
Cymodocea_nodosa			Lake_Sabaudia	41.33	13.05		-23.9	-7
	0		0		Vizzini and Mazzola (2003)		Sring	
Cymodocea_nodosa			Lake_Sabaudia	41.33	13.05		-22.9	-6.2

	0	0	Vizzini and Mazzola (2003)	Summer		
Cymodocea_nodosa	Lake_Sabaudia	41.33 13.05	-23.7	-8		
	0	0	Vizzini and Mazzola (2003)	Autumn		
Syringodium_filiforme	Belize	16.84 -88.08	-17.5	-4.8		
0.74 0.11 1	1	Abed-Navandi and Dworschak (2005)	Lat	long	from	
Dworschak & Ott 1993						
Thalassia_testudinum	Belize	16.84 -88.08	-17.5	-6.3		
0.74 0.11 1	1	Abed-Navandi and Dworschak (2005)				
Thalassia_testudinum	Florida_keys	24.95 -80.72	-14.8	-		
6.9	0 1	Behringer and Butler (2006)	Impacted bay-			
side						
Thalassia_testudinum	Florida_keys	24.79 -80.92	-13.3	-		
6.5	0 1	Behringer and Butler (2006)	Non-impacted			
bay-side						
Thalassia_testudinum	Florida_keys	24.76 -80.91	-15.4	-		
7.5	0 1	Behringer and Butler (2006)	ocean side			
Enhalus_acoroides	Embley_River	-12.67 141.83	-18.8	-		
9.3	0 1	Loneragan et al. (1997)	"dry season, samples			
were not acidified"						
Halodule_uninervis	Embley_River	-12.67 141.83	-19.3			
-12.1	0 1	Loneragan et al. (1997)	"dry			
season,samples were not acidified"						
Halophila_ovalis	Embley_River	-12.67 141.83	-19.3	-		
10.7	0 1	Loneragan et al. (1997)	"dry season, samples			
were not acidified"						
Enhalus_acoroides	Embley_River	-12.67 141.83	-19.3	-		
10.5	0 0	Loneragan et al. (1997)	"wet season, samples			
were not acidified"						
Halodule_uninervis	Embley_River	-12.67 141.83	-19.6			
-15	0 0	Loneragan et al. (1997)	"wet season,			
samples were not acidified"						
Halophila_ovalis	Embley_River	-12.67 141.83	-19.6	-		
15.4	0 0	Loneragan et al. (1997)	"wet season, samples			
were not acidified"						
Thalassia_testudinum	Bataban-	22.59 -82.8	-13.02	-11.3		
11.92 4.98	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	21.78 -83.13	-10.97	-		
10.98 7.39 3.15	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	22.03 -82.34	-11.27	-		
8.24 2.86 0.9	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	22.13 -82.44	-10.61	-		
11.64 10.78 3.86	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	-10.62	-11.64			
3.86	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	22.1 -83.45	-14	-8.76		
5.34 1.75	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	21.93 -82.71	-11.72	-		
9.11 2.66 1.13	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	21.59 -82.42	-9.81	-6.32		
3.55 1.1	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	-9.89	-6.32 3.55			
1.1 1	1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	21.93 -82.71	-15.06	-		
9.11 2.66 1.13	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	22.67 -82.54	-14.78	-		
11.64 8.31 3.66	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	-10.62	-6.3			
5.12 1.66	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	22.4 -82.77	-13.13	-		
6.64 2.7 0.82	1 1	Duarte unpublished data				
Thalassia_testudinum	Bataban-	21.94 -82.8	-15.04	-8.65		

	6.89	2.92	1	1	Duarte unpublished data			
Thalassia_testudinum			Bataban-			-14.95		-8.65
	2.92	1	1		Duarte unpublished data			
Thalassia_testudinum			Bataban-		21.98 -83.19		-11.96	-
8.65	13.24	5.85	1	1	Duarte unpublished data			
Thalassia_testudinum			Bataban-		22.4 -82.77		-13.77	-
9.11	13.06	5.26	1	1	Duarte unpublished data			
Thalassia_testudinum			Bataban-		21.81 -82.34		-12.53	-
6.3	1.86		1	1	Duarte unpublished data			
Zoster_noltii			Ria_Formosa	37.02	-7.97	-19	-11.6	1.4
	0.17	0	1		Kennedy unpublished data		summer station 1	
Zoster_noltii			Ria_Formosa	37.02	-7.97	-19.3	-10.2	1.9
	0.22	0	1		Kennedy unpublished data		summer station 2	
Zoster_noltii			Ria_Formosa	37.02	-7.97	-18	-10	2.1
	0.25	0	1		Kennedy unpublished data		summer station 3	
Zoster_noltii			Ria_Formosa	37.02	-7.97	-17.9	-9.2	1.4
	0.17	0	1		Kennedy unpublished data		summer station 4	
Zoster_noltii			Ria_Formosa	37.02	-7.97	-17.8	-10.6	2.3
	0.27	0	0		Kennedy unpublished data		winter station 1	
Zoster_noltii			Ria_Formosa	37.02	-7.97	-21.2	-9.3	3
	0.27	0	0		Kennedy unpublished data		winter station 2	
Zoster_noltii			Ria_Formosa	37.02	-7.97	-18.5	-9.9	1.7
	0.21	0	0		Kennedy unpublished data		winter station 3	
Zoster_noltii			Ria_Formosa	37.02	-7.97	-17.1	-10.9	1.6
	0.18	0	0		Kennedy unpublished data		winter station 4	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 2.23	-18.23	Bulk	-11.591
	0.80		0	1	Barr-n et al (2004)		patch age 6.5 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 59.01	-18.81	Bulk	-11.591
	0.63		0	1	Barr-n et al (2004)		patch age 19 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 125.56	-20.4	Bulk	-11.591
	0.94		0	1	Barr-n et al (2004)		patch age 24 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 141.11	-19.5	Bulk	-11.591
	0.75		0	1	Barr-n et al (2004)		patch age 32 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 51.40		Bulk	-11.591 0.81
	0		1		Barr-n et al (2004)		patch age 34 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 160.74	-18.97	Bulk	-11.591
	1.18		0	1	Barr-n et al (2004)		patch age 41 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 120.30	-16.05	Bulk	-11.591
	0.86		0	1	Barr-n et al (2004)		patch age 45 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 75.57		Bulk	-11.591 0.66
	0		1		Barr-n et al (2004)		patch age 47 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 279.61	-17.25	Bulk	-11.591
	1.11		0	1	Barr-n et al (2004)		patch age 54 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 272.00	-15.89	Bulk	-11.591
	0.75		0	1	Barr-n et al (2004)		patch age 63 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 244.39	-21.81	Bulk	-11.591
	0.73		0	1	Barr-n et al (2004)		patch age 74 PI	
Cymodocea_nodosa			Ebro_Delta	40.6	0.77 323.57	-16.64	Bulk	-11.591
	1.19		0	1	Barr-n et al (2004)		patch age 85 PI	
Amphibolis_griffithii			Success_Bank,WA		-32.15	115.7	-7.29	Bulk -
12.71			0	1	Smit et al (2005)			
Thalassia_testudinum			Port_Aransas		27.8 -97.1		-13	bulk -9.1
	1		1		Parker (1964)			
Posidonia_oceanica			Cala_Llonga	39.37	3.23 1585.25		-18.39	bulk -
11.44	0.08	0.01	0	1	Holmer et al unpublished data			
Posidonia_oceanica			Cala_d'Or	39.37	3.23 1296.58		-16.11	bulk -
10.99	0.26	0.01	0	1	Holmer et al unpublished data			
Posidonia_oceanica			Portals_Vells	39.54	2.73 1152.80		-18.81	
	bulk -9.6		0.18	0.01	0 1		Holmer et al unpublished data	