

Supplementary Table 1:  
**Data set on reports of seagrass  
materials deposited in sediments  
beyond seagrass meadows**

Location	Latitude	Longitude	Type	Species	Water depth (m)	Depth range (m)	Depth into the sediment	Method	Method categories	Motivation	Reference	Notes
NW Atlantic, Tongue of the Ocean	24,5	-77,5	Seagrass	Thalassia testudinum			on the surface	Photos	Photos/submersible	Ecology of deep-sea fauna	Rowe and Staresinic (1979)	fig 2; position approximate
S. California, La Lolla submarine Canyon & Scripps Canyon	32,88	-117,2833	kelps and seagrasses	kelps and surfgrass (Phyllospadix)	550	down to 550	on the surface	Submersible, cores	Photos/submersible	Ecology of deep-sea fauna	Vetter & Dayton 1998	large mats, 7—15 cm thick, 1-30 m <sup>2</sup> in area, cover: 100% (65 m) to 11% (280 m) in Scripps canyon, 13% (300 m) to 5% (500 m) in La Jolla Canyon
S. California, La Lolla submarine Canyon & Scripps Canyon	32,88	-117,2833	kelps and seagrasses	<i>Macrocystis pyrifera</i> <i>Egregia menziesii</i> , <i>Laminaria</i> spp., <i>Pterygophora californica</i> . Sometimes also: <i>Sargassum</i> spp., <i>Ulva</i> sp., <i>Pelvetia fastigata</i> , <i>surfgrass</i> (Phyllospadix)	60	15-60	on the surface	diving	Diving obs.	Ecology of deep-sea fauna	Vetter 1995	
S. California, La Lolla submarine Canyon	32,88	-117,2833	kelps and seagrasses	kelps and surfgrass (Phyllospadix)	300		on the surface	submersible	Photos/submersible	Ecology of deep-sea fauna	Vetter 1995 (referring to Inman et al. 1976)	
S. California, La Lolla submarine Canyon	32,88	-117,2833	kelps and seagrasses	kelps and surfgrass (Phyllospadix)	686		on the surface	submersible	Photos/submersible	Ecology of deep-sea fauna	Vetter 1995 (referring to Shepard & Dill 1966)	
S. California, La Lolla submarine Canyon, San Diego Trough	32,88	-117,2833	kelps and seagrasses	kelps and surfgrass (Phyllospadix)	1200		on the surface	submersible	Photos/submersible	Ecology of deep-sea fauna	Vetter 1995 (referring to Dill & Vetter pers com)	
Salt River submarine canyon, St. Croix, US Virgin Island	17,766	-64,75	Brown algae and seagrass	algae: Dictyota, Dictyopteris, Dilophus	40	20-40	on the surface	underwater lab, macroalgae collected in nets	Net samples	Ecology of deep-sea fauna	Josselyn et al. 1983	
NE Atlantic, Blake Basin (BLB)	29,35	-76	Brown, seagrasses	Sargassum and Thalassia	5000		on the surface	Photos	Photos/submersible	Ecology of deep-sea fauna	Roper & Brundage 1972	info p. 32 & 41. Average depth indicated in table p. 32
Off Georgia	31,8	-76,53333	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	2288		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
N. Of Bahama Islands	27,433	-77,83333	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	1373		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
N. Of Cuba	23,533	-82,65	seagrass	Thalassia	1661		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
N. Of Cuba	22,4	-75,43333	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	2450		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	

N. Of Cuba	20,883	-74,333333	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	2747		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
N. Of Cuba	21,967	-73.7	seagrass, Sargassum	Cymodocea, Sargassum	1650		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Puerto Rico Trench	19,933	-68,333333	seagrass	Thalassia	5300	5220-5300	on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Puerto Rico Trench	19,65	-68.3	seagrass	Thalassia	8100	7950-8100	on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Puerto Rico Trench	19,633	-67,76667	seagrass	Thalassia	8330		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Puerto Rico Trench	19,4	-68	seagrass	Thalassia	6000	5890-6000	on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Puerto Rico Trench	19,717	-67,08333	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	7965		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Puerto Rico Trench	19,75	-67	seagrass	Thalassia	7938		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Puerto Rico Trench	19,433	-66,4	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	7471		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Puerto Rico Trench	19,4	-66,18333	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	7430		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
N. Caribbean	20,133	-84,5	seagrass	Thalassia	4580		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
N. Caribbean	19,8	-83,5	seagrass	Thalassia	4417		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	

N. Caribbean	18,267	-78,51667	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	1537		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
N. Caribbean	17,9	-78,41667	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	1428		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
N. Caribbean	19,233	-73,23333	seagrass, Sargassum	Cymodocea, Sargassum	1760		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Cayman Trench	19,017	-80,58333	seagrass	Thalassia	6850	6840-6850	on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Cayman Trench	19,233	-80,5	seagrass	Thalassia	4650	4600-4650	on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Cayman Trench	19,267	-80,5	seagrass	Thalassia	6500	5800-6500	on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Cayman Trench	19,017	-80,5	seagrass	Thalassia	6800		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Cayman Trench	19,4	-76,63333	seagrass	Thalassia	5280	5250-5280	on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Cayman Trench	19,65	-76,61667	seagrass	Thalassia	6780	6740-6780	on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
S. Caribbean	9,967	-78,51667	seagrass, Sargassum	Cymodocea, Sargassum	1827		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
S. Caribbean	12,33	-73,43333	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	2365		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
S. Caribbean	12,983	-71,73333	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	1308		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	

S. Caribbean	11,65	-64,58333	seagrass, Sargassum	Cymodocea, Sargassum	1517		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Near Lesser Antilles	17,85	-65,06667	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	4180		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Near Lesser Antilles	17,583	-61,35	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	3852		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Near Lesser Antilles	14,3	-60,75	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	1235		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Near Lesser Antilles	13,767	-61,08333	seagrass, Sargassum	Thalassia (primarily), Cymodocea, Sargassum	1326		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Near Lesser Antilles	11,617	-60,2	seagrass, Sargassum	Cymodocea, Sargassum	1656		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Off Guiana	7,583	-56,35	seagrass, Sargassum	Cymodocea, Sargassum	1326		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Off Guiana	7,617	-55,4	seagrass, Sargassum	Cymodocea, Sargassum	1278		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Off Guiana	8,55	-54,3	seagrass, Sargassum	Cymodocea, Sargassum	1253		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Bay of Guinea	4,833	-4,966667	seagrass, Sargassum	Cymodocea, Sargassum	1549		on the surface	deep sea trawling, fragments of vegetation	Trawling	Ecology of deep-sea fauna	Wolff 1979	
Tongue of the Ocean, Bahamas	24,881	-77,53733	Sargassum and seagrass	Thalassia testudinum, Syringodium filiforme, sargassum muticum	500		on the surface	submersible, photos	Photos/submersible	Ecology of deep-sea fauna	Young et al. 1993	
Biscayne Bay, Florida, US	25,717	-80,15	seagrasses and brown macroalgae	Thalassia, Diplanthurra, Syringodium, Sargassum	550	180-550	on the surface	Visual obs	Shore obs.	hurricane effects on seagrass beds	Thomas et al. 1961	
Puerto Rico trench			seagrass	Thalassia testudinum (Turtlegrass)	7860		on the surface	photo	Photos/submersible	Ecology of deep-sea fauna	Wolff 1976 (Referring to Pratt 1962)	

Off N. Carolina	32,92	-75,72	seagrass	Thalassia	2992		on the surface	photo	Photos/submersible	Ecology of deep-sea fauna	Wolff 1976 (Referring to Rowe and Menzies 1968)	Position approximate (taken from Menzies et al 1967)
Gulf of Mexico			seagrass	Thalassia	3246		on the surface	photo	Photos/submersible	Ecology of deep-sea fauna	Wolff 1976 (Referring to Pequegnat et al.1972)	
Tongue of the Ocean canyon, Bahamas	51	-77,6	seagrass	Thalassia + other "plant material"	305	down to 305	on the surface	Documented by Alvin	Photos/submersible	Org matter/marine veg flux to the deep sea	Wiebe et al. 1976	Large quantities of turtle grass and other macroscopic plant materials
Blake Plateau, US	26,88	-79,17	Seagrass	Thalassia testudinum (Turtlegrass)	516		on the surface	Gosnold Cruise: photo	Photos/submersible	Ecology of deep-sea fauna	Menzies et al. 1967	
Off Carolinas Coast, US	32,92	-75,72	seagrass	Thalassia testudinum (Turtlegrass)	3158	3208-3158	on the surface	RV Edward Cruise: photo + dredge.	Photos/submersible +dredge	Ecology of deep-sea fauna	Menzies et al. 1967	Arrived via long-distance transport not from the local shore via turbide currents and slumps
Off Carolinas Coast, US	33,15	-75,72	seagrass	Thalassia testudinum, Zostera marina	3158	3208-3158	on the surface	RV Edward Cruise: photo + dredge.	Photos/submersible +dredge	Ecology of deep-sea fauna	Menzies et al. 1967	Arrived via long-distance transport not from the local shore via turbide currents and slumps
N of St Croix, Virgin Islands, US	17,8333	-64,8	seagrass	Thalassia & Syringodium	3950	2455-3950	on the surface	Alvin -visual observations and photos	Photos/submersible	Ecology of deep-sea fauna	Suchanek et al.1985	isotope studies. 3 different Alvin dives: by a canyon, at a distance from canyon, away from canyon. Seagrass abundance vs depth quantified. Position approximate
NE Atlantic, Virgim Islands Basin (VIB)	17,867	-64,8	Seagrass	Thalassia and Syringodium	3850		on the surface	deep sea photography	Photos/submersible	Ecology of deep-sea fauna	Roper & Brundage 1972	photo#52. they observed seagrass remnants in nearly each of ca 5300 bottom photos
NE Atlantic, Virgim Islands Basin (VIB)	17,867	-64,8	Seagrass	Thalassia and Syringodium	3770		on the surface	deep sea photography	Photos/submersible	Ecology of deep-sea fauna	Roper & Brundage 1972	photo#53. they observed seagrass remnants in nearly each of ca 5300 bottom photos
NE Atlantic, Virgim Islands Basin (VIB)	17,867	-64,8	Seagrass	Thalassia and Syringodium	3780		on the surface	deep sea photography	Photos/submersible	Ecology of deep-sea fauna	Roper & Brundage 1972	photo #39. they observed seagrass remnants in nearly each of ca 5300 bottom photos
N Gulf of Mexico	27	-90	seagrass, sargassum	Sargassum, Thalassia	3000	100s-3000	on the surface	trawl	Trawling	Debris survey	Wei et al.2012	Sargassum observed at 20 stations, Thalassia at 4
S Californian Bight (Conception to San Diego)	33,8	-118,5	seagrass, kelp	not specified	200	10-200	on the surface	trawl	Trawling	Debris survey	Moore & Allen 2000	113 stations surveye. Marine vegetation debris at ca 73% of them
Carmel Canyon, Pacific	36,6	-121,0167	seagrass	Dominated by Kelp, followed by Desmarestia and Ulva and Phyllospadix	220		on the surface	ROVs surveys/vidos	Photos/submersible	Org matter/marine veg flux to the deep sea	Harrold et al. (1998)	Drift macrophyte parcels, maximum density 0.14 units/m2
Carmel Canyon, Pacific	36,5333	-121,95	seagrass	Dominated by Kelp, followed by Desmarestia and Ulva and Phyllospadix	275		on the surface	ROVs surveys/vidos	Photos/submersible	Org matter/marine veg flux to the deep sea	Harrold et al. (1998)	Drift macrophyte parcels, maximum density 0.14 units/m2

Carmel Canyon, Pacific	36,5333	-121,95	seagrass	Dominated by Kelp, followed by Desmarestia and Ulva and Phyllospadix	370	on the surface	ROVs surveys/Video	Photos/submersible	Org matter/marine veg flux to the deep sea	Harrold et al. (1998)	Drift macrophyte parcels, maximum density 0.14 units/m <sup>2</sup> ; 45.2 mg C m <sup>-2</sup> d <sup>-1</sup> macroalgae supplied to benthos, Macroplankton 20-83% of total POM reaching seafloor
Wadden Sea, Holland	53,0262	5,069833	seagrass	Zostera marina, Zostera noltii (next to)	6,5	0,3	Box core, fatty acid tracers	Tracers	origin of sediment org matter	van Dongen et al. 2000	30 cm core
Nyborg Fjord, Denmark	55,331	10,796	seagrass	Zostera marina (next to)	16,5	0,05	sediment samples, biomarker: C: pentosan	Tracers	origin of sediment org matter	Boysen-Jensen 1914	surface sediment samples, pentosan as Zostera bioindicator
Nyborg Fjord, Denmark	55,331	10,796	seagrass	Zostera marina (next to)	21	0,05	sediment samples, biomarker: C: pentosan	Tracers	origin of sediment org matter	Boysen-Jensen 1914	surface sediment samples, pentosan as Zostera bioindicator
Thisted Broad, Limfjorden, Denmark	56,871	8,883	seagrass	Zostera marina (next to)	10	nd (ca. 10)	0,05 sediment samples, biomarker: C: pentosan	Tracers	origin of sediment org matter	Boysen-Jensen 1914	surface sediment samples, pentosan as Zostera bioindicator
Livø Broad, Limfjorden, Denmark	55,883	9,117	seagrass	Zostera marina (next to)	10	nd (ca. 10)	0,05 sediment samples, biomarker: C: pentosan	Tracers	origin of sediment org matter	Boysen-Jensen 1914	surface sediment samples, pentosan as Zostera bioindicator
Livø Broad, Limfjorden, Denmark	55,883	9,117	seagrass	Zostera marina (next to)	10	nd (ca. 10)	0,05 sediment samples, biomarker: C: pentosan	Tracers	origin of sediment org matter	Boysen-Jensen 1914	surface sediment samples, pentosan as Zostera bioindicator
Kattegat N of Funen, Denmark	55,583	10,433	seagrass	Zostera marina (next to)	17	nd (ca. 15-20)	0,05 sediment samples, biomarker: C: pentosan	Tracers	origin of sediment org matter	Boysen-Jensen 1914	surface sediment samples, pentosan as Zostera bioindicator
Kattegat E of St. Middelgrund, Denmark	56,33	12,04	seagrass	Zostera marina (next to)	17	nd (ca. 15-20)	0,05 sediment samples	Tracers	origin of sediment org matter	Boysen-Jensen 1914	surface sediment samples, pentosan as Zostera bioindicator
Slipshavn, Nyborg Fjord,	55,2833	10,81667	seagrass	Zostera marina (next to)	3	1.5-4	0,05 13C evidence of	Tracers	C-cycling and bacteria C-	Boschker et al. 2000	bare sediments near seagrass
Slipshavn, Nyborg Fjord,	55,2833	10,81667	seagrass	Zostera marina (next to)	3	1.5-4	0,05 13C evidence of	Tracers	C-cycling and bacteria C-	Boschker et al. 2000	bare sediments near seagrass
Sint Annaland Saltmarsh, Harbor of Archachon,	51,8167	4,1	seagrass	Zostera marina (next to)	0,5	Intertida	0,05 13C evidence of	Tracers	C-cycling and bacteria C-	Boschker et al. 2000	bare sediments near seagrass
Archachon Bay, France	44,65	-1,133333	seagrass	Zostera marina (next to)	1	Intertida	0,05 13C evidence of	Tracers	C-cycling and bacteria C-	Boschker et al. 2000	bare sediments near seagrass
Archachon Bay, France	44,6833	-1,1	seagrass	Zostera noltii (next to)	0,5	Intertida	0,05 13C evidence of	Tracers	C-cycling and bacteria C-	Boschker et al. 2000	bare sediments near seagrass
Lower Laguna Madre, Texas	26,1167	-97,18333	seagrass	Thalassia testudinum	1	Intertida	0,4 13C evidence of	Tracers	C-cycling and bacteria C-	Jones et al. 2003	bare sediments near seagrass
Lower Laguna Madre, Texas	26,1167	-97,18333	seagrass	Thalassia testudinum	1	Intertida	0,4 13C evidence of	Tracers	C-cycling and bacteria C-	Jones et al. 2003	bare sediments near seagrass
Magalluf, Mallorca, Balearic	39,15	-2,933333	seagrass	Posidonia oceanica	4	Intertida	0,05 13C evidence of	Tracers	C-cycling and bacteria C-	Holmer et al. 2004	bare sediments near seagrass
Sta. Maria, Cabrera, Balearic	39,15	-2,933333	seagrass	Posidonia oceanica	3	Intertida	0,05 13C evidence of	Tracers	C-cycling and bacteria C-	Holmer et al. 2004	bare sediments near seagrass
Sa Parç, Cabrera, Balearic	39,15	-2,933333	seagrass	Posidonia oceanica	17	Intertida	0,05 13C evidence of	Tracers	C-cycling and bacteria C-	Holmer et al. 2004	bare sediments near seagrass
Porto Colom, Mallorca, Balearic	39,4167	-3,266667	seagrass	Posidonia oceanica	5	Intertida	0,05 13C evidence of	Tracers	C-cycling and bacteria C-	Holmer et al. 2004	bare sediments near seagrass
Es Port, Cabrera, Balearic	39,15	-2,933333	seagrass	Cymodocea nodosa	3	Intertida	0,05 13C evidence of	Tracers	C-cycling and bacteria C-	Holmer et al. 2004	bare sediments near seagrass
Aïfacs Bay, Ebro Delta, Spain	40,6	-46,21667	seagrass	Cymodocea nodosa (next to)	2	<2	0,02 13C evidence of seagrass	Tracers	origin of sediment org matter	Barrón et al. 2004	bare sediments near seagrass.

Cala Llonga, Mallorca, Spain	39,3667	-3,233333	seagrass	Posidonia oceanica (next to)	3.5		0,02	13C evidence of seagrass	Tracers	origin of sediment org matter	Holmer et al. 2007 (and Kennedy et al. 2010)	bare sediments near seagrass
Cala d'Or, Mallorca, Spain	39,3667	-3,233333	seagrass	Posidonia oceanica (next to)	5		0,02	13C evidence of seagrass	Tracers	origin of sediment org matter	Holmer et al. 2007 (and Kennedy et al. 2010)	bare sediments near seagrass
Sounio, Greeze	37,65	-24,01667	seagrass	Posidonia oceanica (next to)	16		0,02	13C evidence of seagrass	Tracers	origin of sediment org matter	Holmer et al. 2007 (and Kennedy 2010)	bare sediments near seagrass.
Fanals Bay, Spain	40,6833	2,866667	seagrass	Posidonia oceanica (next to)	15		0,05	13C evidence of seagrass	Tracers	origin of sediment org matter	Gacia et al.2002	bare sediments near seagrass
Mondego Estuary, Portugal	40,55	-8,683333	seagrass	Zostera noltii	1,6	intertida	0,01	13C evidence of seagrass	Tracers	Food webs	Baeta et al.2009	bare sediments near seagrass
Upper Laguna Madre waterway, Texas, USA	27,5	-97,33333	seagrass	Halodule wrightii	4		0,02	13C evidence of seagrass	Tracers	origin of sediment org matter	Fry et al.1977	bare sediments near seagrass. Also possibly seagrass signal in Corpus Christi Bay in deeper water
N menorca, Spain	40	-4,15		Posidonia oceanica	8		0	13C evidence in fauna	Tracers	Food webs	Cardona et al. 2007	
Corsica, NW of Calvi Bay, France (canyon)	42,595	-8,748333	seagrass	Posidonia oceanica	155		0,05	pigments in sediments	Tracers	Food webs	Soetaert et al. 1991	sediment grab samples; analyses of 1 cm layers down to 5 cm
Corsica, NW of Calvi Bay, France (canyon)	42,6083	-8,726667	seagrass	Posidonia oceanica	142		0,05	pigments in sediments	Tracers	Food webs	Soetaert et al. 1991	sediment grab samples; analyses of 1 cm layers down to 5 cm
Corsica, NW of Calvi Bay, France (canyon)	42,6133	-8,738333	seagrass	Posidonia oceanica	370		0,05	pigments in sediments	Tracers	Food webs	Soetaert et al. 1991	sediment grab samples; analyses of 1 cm layers down to 5 cm
Corsica, NW of Calvi Bay, France (canyon)	42,615	-8,741667	seagrass	Posidonia oceanica	165		0,05	pigments in sediments	Tracers	Food webs	Soetaert et al. 1991	sediment grab samples; analyses of 1 cm layers down to 5 cm
Kangersuneq Fjord, Disko Bay, Greenland	68,737	-51,0105	seagrass	n.i.	265		1,22	tissue fragments	Cores	dating sediment	Seidenkrantz et al. 2013	deep sediment core
Kangersuneq Fjord, Disko Bay, Greenland	68,737	-51,0105	seagrass	n.i.	265		1,75	tissue fragments	Cores	dating sediment	Seidenkrantz et al. 2013	deep sediment core
Kangersuneq Fjord, Disko Bay, Greenland	68,737	-51,0105	seagrass	n.i.	265		2,35	tissue fragments	Cores	dating sediment	Seidenkrantz et al. 2013	deep sediment core
Kangersuneq Fjord, Disko Bay, Greenland	68,737	-51,0105	seagrass	n.i.	265		3,22	tissue fragments	Cores	dating sediment	Seidenkrantz et al. 2013	deep sediment core
Puerto Rico Trench,			seagrass	Thalassia testudinum	7860			photos	Photos/submersible	Ecology of deep-sea fauna	Wolff 1976 (referring to Pratt 1962 & Moore 1963)	
Off Rio Magdalena, N. Colombia			seagrass	n.i.	1275			broken telegraph cables entangled w. Seagrass	Bottom sampler	Ecology of deep-sea fauna	Wolff 1976 (referring to Heezen 1955)	
Moselgrunden			seagrass	Zostera marina	9.4			Grapple; hard bottom: oyster dredge	Dredge	Food webs	Ostenfeld 1908	Zostera detritus
Smålandsfarvandet nØ - Agersø Sund Syd			seagrass	Zostera marina	41.4	depth info represent max		Grapple; hard bottom: oyster dredge	Dredge	Food webs	Ostenfeld 1908	Zostera detritus
Smålandsfarvandet n - åbne del			seagrass	Zostera marina	13.2	depth info represent max		Grapple; hard bottom: oyster dredge	Dredge	Food webs	Ostenfeld 1908	Zostera detritus



Rødsand			seagrass	Zostera marina	28,2 depth info represents max	on the surface	Grapnel; hard bottom; oyster dredge	Dredge	Food webs	Ostenfeld 1908	Zostera detritus
Roskilde Fjord			seagrass	Zostera marina	5,0 depth info represents max	on the surface	bottom sampler (0.1m2) 5 st.	Bottom sampler	Food webs	Petersen & Boysen Jensen 1911	Wobbly, black stinking masses of detritus and dead Zostera
Roskilde Fjord			seagrass	Zostera marina	12,0 depth info represents max	on the surface	bottom sampler (0.1m2) 10 st.	Bottom sampler	Food webs	Petersen & Boysen Jensen 1911	Variable bottom, sand, gravel, detritus masses and dead Zostera
Holbæk fjord			seagrass	Zostera marina	8,0 depth info represents max	on the surface	bottom sampler (0.1m2) 15 st.	Bottom sampler	Food webs	Petersen & Boysen Jensen 1911	Generally black wobbly masses of detritus with Zostera
Isefjord, yderbredning			seagrass	Zostera marina	10,5 depth info represents max	on the surface	bottom sampler (0.1m2) 10 st.	Bottom sampler	Food webs	Petersen & Boysen Jensen 1911	sandy bottom with wobbling detritus masses
Nakskov Fjord, Savnsø Bugt	54,8322	11,04683	seagrass	Zostera marina	6,3 depth assumed to equal max fjord depth	on the surface		Bottom sampler	Food webs	Muus 1967	sand, clay with sand and detritus sand
Samsøbælt	56,2747	10,42173	seagrass	Zostera marina	9 depth info represents max	on the surface	bottom sampler (0.1m2) 10 st.	Bottom sampler	Food webs	Petersen 1913	Black mud (smelly). Fresh Zostera and Zostera detritus
Smålandsfarvandet	54,9594	11,9626	seagrass	Zostera marina	4 depth info represents max	on the surface	bottom sampler (0.1m2) 10 st.	Bottom sampler	Food webs	Petersen 1913	Zostera bottom, sandy with detritus
Storebælt	55,2179	10,87405	seagrass	Zostera marina	5 depth info represents max	on the surface	bottom sampler (0.2m2) 5 st.	Bottom sampler	Food webs	Petersen 1913	Zostera with spots of clean sand. Considerable amounts of detritus
Vestlige Østersø	54,2148	11,01728	seagrass	Zostera marina	17 depth info represents max	on the surface	bottom sampler (0.1m2) 15 st.	Bottom sampler	Food webs	Petersen 1913	bottom ranging from sand and gravel to detritus-mixed sand with small stones
Øresund	55,9431	12,58502	seagrass	Zostera marina	14 depth info represents max	on the surface	bottom sampler (0.1m2) 25 st.	Bottom sampler	Food webs	Petersen 1913	brown upper layer, grey bottom with sand and gravel with some detritus and black Zostera remains.

## References in Table 1

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