SUPPLEMENT



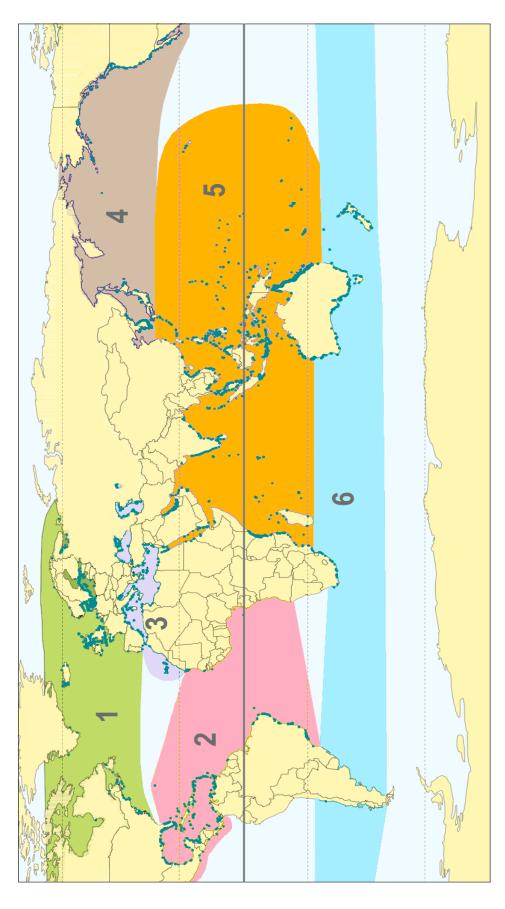
Temperate North Atlantic

Supplement to the SeagrassNet Worldwide Manual

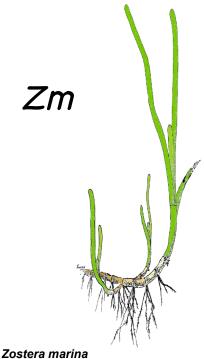
Submit all data, samples, photographs, data sheets, etc. to SeagrassNet at UNH and to the website, as directed in the manual.

Inquiries should be directed to:

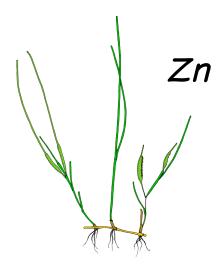
Dr. Frederick T. Short Director, SeagrassNet University of New Hampshire Jackson Estuarine Laboratory 85 Adams Point Road Durham NH 03824 USA 603-862-5134 fred.short@unh.edu



Global seagrass distribution and bioregions: 1) Temperate North Atlantic, 2) Tropical Atlantic, 3) Mediterranean, 4) Temperate North Pacific, 5) Tropical Indo-Pacific, and 6) Temperate Southern Oceans from Short et al. 2007, JEMBE 305: 3 – 20.



- · Flat leaves to 3 m with closed sheath
- Leaf tip smoothly rounded
- · Rhizome robust with terminal shoots
- · 2 bundles of roots per node
- · Flowers on repeatedly branched stem



Zostera noltii

- Flat narrow leaves to 30 cm with open sheath
- Leaf tip rounded and unevenly notched
- Thin rhizome with shoot from each node
- · Flowers on branched stem



Cymodocea nodosa

- Flat leaves to 30 cm
- · Leaf tip rounded slightly serrated
- Rhizome robust with one root per node
- Flowers emerge from sheath





Ruppia maritima

- Flat very thin leaves 3 to 25 cm
- · Blades gradually taper to a point
- Very thin rhizome
- · Flowers on long stem





Halodule wrightii

- Flat leaves to 22 cm
- Leaf tip with 2-3 points
- Rhizome with 2-5 roots per node
- Flowers emerge from sheath



SeagrassNet = Seagrass Monitoring Network

Location:	Transect code & no.:		Researchers:	ers:					Sampling	Sampling date and time:	op op	26 Mar2009	- '	1400 nrs.
State/Country:	Station (circle one):	ne):				Comments:								
	A. Nearshore,	nore, B. Middle,	-	C. Offshore										
PARAMETERS	<u>RS</u>	Example			Cross-transect 0-25 m	ect 0-25 m					Cross-transect	set 26-50 m		
			-	2	3	4	5	9	7	∞	6	10	11	12
Quadrat Measures at pre-selected random distances	ted random distances	Quadrat 2	Quadrat	Quadrat	Quadrat	Quadrat	Quadrat	Quadrat	Quadrat	Quadrat	Quadrat	Quadrat	Quadrat	Quadrat
Photograph (1 per quadrat)		7												
Voucher Specimen (1 of each species/Station)	ų.	>												
All Species	Total %	09												
Species =Zn	% Cover	40												
Species =	% Cover													
Species =	% Cover													
Species =	% Cover													
Species = Zm % C C Zm density per 25x25 cm quadrat	% Cover Density	20 32	_	_	_	_		_	_	_	_	_	_	_
Canopy Height (cm) Grazing Evidence? (y/n)	ng Evidence?	20 y												
	;	4 Hu												
Flower/Fruit Count by species	cs	5												
Leaf Biomass Core	Size (m ²)	√ 0.0035												
			Pre-selecte	ed Random D	Pre-selected Random Distances for 0-25m)-25m			Pre-select	ed Random [Pre-selected Random Distances for 26-50m	26-50m		
		A. NearshoreB. MiddleC. Offshore	200	7 10 7	8 10 10	16 71 81	18 19 19	25 22 22	26 28 26	33 34 34	38 35	40 37 38	44 39 43	46 45 44
Meas		ı	Left (0m)				Center (2	(25m)			Right (50m)	(m		
GPS: Latitude Dist. to edge (m) Longitude Dist. to last	edgelast	8.6												
(m)	•													
Water Depth (m) at time (hrs) Surface sediment observation / sample	rs) 2.35 @ 15 n / sample fine-sand/	@ 1524 and / yes		at				at				at		
Station Measures					Region I	Region III species								
Light Hobo (day in - day out)		6Apr - 20Apr	ı		Zm - Zostera marina	a marina	Cn - C	Cn - Cymodocea nodosa	pgosa					
Water temp. logger (day out)	(ti	20Apr			Zn - Zostera noltii	ı noltii	Un - u	<i>Un - ипк</i> поwп						
Salinity (ppt)		25.8			Hw - Halodule wrightii	ule wrightii								
Tidal Stage (high or low/spring or neap)		high spring			Rm - Ruppia maritima	a maritima								
		Ì												